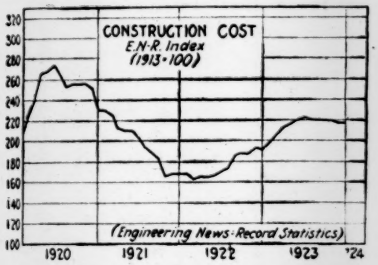
CONSTRUCTION NEWS

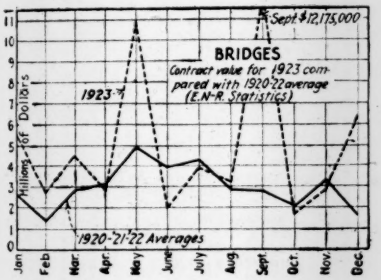
Engineering News-Record, January 10, 1924

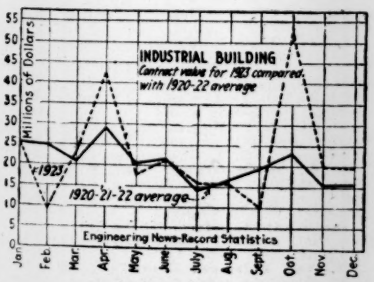
The Construction Barometer

Construction Cost 14 Per Cent Higher Than Year Ago and 20 Per Cent Under 1920 Peak—Upward Trend Will Adversely Affect Volume

WHILE the actual volume of construction is about 10 per cent under that of a year ago, since October, 1923, the curve has conformed very closely to the composite of the years 1920, '21 and '22, as shown in the accompanying chart. Cost of construction has been slowly working downward since July, with the exception of a recent slight upturn due to increased cost of pine lumber. With an increase in money value of contracts awarded on streets and roads, bridges, large commercial buildings and industrial work at the close of the year, and a still greater increase in the issuance of building permits, the only factor threatening the realization of another great construction year is the possible rise of the cost curve to prohibitive levels.







Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Dec. 20	$22,207,000	$20,068,000	$42,275,000
Dec. 27	12,657,000	11,740,000	24,397,000
Jan. 3	10,163,000	15,275,000	25,438,000
3 weeks	$45,027,000	$47,083,000	$92,110,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

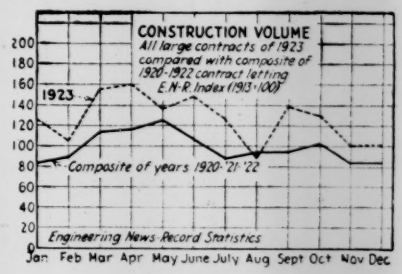
Week Ended	No.	Public Work	No.	Private Work
Dec. 20	17	$7,988,000	28	$16,008,000
Dec. 27	8	3,859,000	16	7,240,000
Jan. 3	10	3,148,000	30	11,480,000
3 weeks	35	$14,995,000	74	$34,728,000

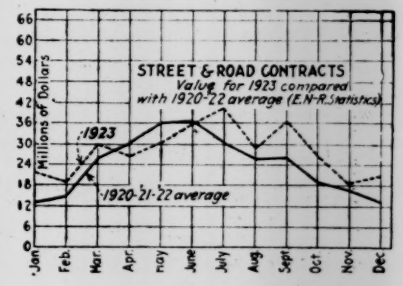
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

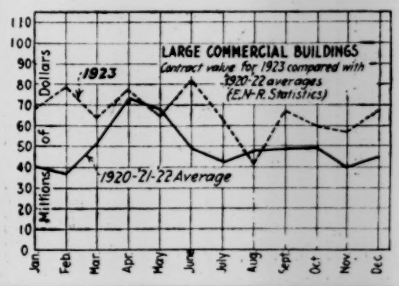
Week Ended	Public: Private	Public: All	Public: Streets and Roads	Public: Waterworks and Sewers	Public: All Buildings
Dec. 20	29	137	30	22	40
Dec. 27	29	114	27	17	36
Jan. 3	25	117	31	20	30

PINE LUMBER FIRMER—OTHER BASIC PRICES UNCHANGED

	Quoted on Jan. 10, at	Price Was	On
Structurals, Pittsburgh, 100 lb	$2.50	$2.50 @ 2.60	June 21
Cement, Chi., net bbl.	2.10	2.20	Nov. 22
Pine, N. Y., M. ft.	60.00	58.00	Jan. 3
Fir, San Fran., M ft.	38.00	41.00	Dec. 13
Common labor, hr.	.54	.53	June 28


CONSTRUCTION VOLUME
All large contracts of 1923 compared with composite of 1920-1922 contract letting
E.N-R Index (1913=100)
1923
Composite of years 1920-'21-'22
Engineering News-Record Statistics
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec





PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
WATERWORKS		
Jan. 12	Milwaukee, Wis.	Jan. 10
Jan. 14	North East, Pa.	Dec. 27
Jan. 14	Milbank, S. D.	Jan. 10
Jan. 15	Oklahoma City, Okla.	Dec. 20
Jan. 16	South Bend, Ind.	Dec. 20
Jan. 17	Kansas City, Mo.	Jan. 10
Jan. 17	Clarksville, Ark.	Jan. 10
Jan. 18	Genoa Junction, Wis.	Jan. 10
Jan. 19	Charlottesville, Va. Adv. Dec. 27 to Jan. 10.	Dec. 27
Jan. 21	Newport Beach, Calif.	Jan. 10
Jan. 24	Louisburg, N. C.	Jan. 10
Jan. 25	Wash., D. C.	Jan. 10
Jan. 26	Fairmont, W. Va.	Jan. 10
Jan. 29	Bloomington, Ind. Adv. Jan. 3 and 10.	Jan. 3
Jan. 30	Greenville, S. C. Adv. Jan. 10.	Jan. 10
Jan. 31	Massachusetts	Jan. 10
Feb 1	Phillips, Wis.	Jan. 10
SEWERS		
Jan. 14	Houston, Tex.	Jan. 3
Jan. 14	Long Island City, N. Y.	Jan. 10
Jan. 15	Tell City, Ind.	Jan. 3
Jan. 15	Versailles, Mo.	Jan. 3
Jan. 16	Baltimore, Md.	Jan. 10
Jan. 17	Clarksville, Ark.	Jan. 10
Jan. 24	Ft. Smith, Ark.	Jan. 10
Jan. 24	Baton Rouge, La. Adv. Dec. 27 and Jan. 10.	Jan. 3
Jan. 25	Wash., D. C.	Jan. 3
Jan. 30	Fostoria, O. Adv. Dec. 27 to Jan. 10.	Jan. 3
Feb. 5	Baton Rouge, La. Adv. Dec. 27 and Jan. 10.	Jan. 3
Feb. 5	St. Louis, Mo.	Jan. 10
Feb. 11	Pleasantville, N. Y. Adv. Jan. 3 and 10.	Jan. 10
BRIDGES		
Jan. 16	Oklahoma City, Okla.	Jan. 10
Jan. 16	West Palm Beach, Fla.	Jan. 10
Jan. 17	New Orleans, La.	Jan. 3
Jan. 22	St. Louis, Mo.	Dec. 27
Jan. 22	Lakefield, Ont.	Jan. 3
Jan. 28	New Jersey Adv. Jan. 10.	Jan. 10
May 1	Tientsen, North China	Oct. 11
DAMS		
Feb. 7	Kingston, N. C.	Dec. 27
RAILWAYS		
Mar. 18	New Zealand	Sept. 20

Bids Close		See Eng. News-Record
EXCAVATION, DRAINAGE IRRIGATION		
Jan. 14	New York	Jan. 10
Jan. 15	Pueblo, Colo.	Jan. 3
Jan. 15	St. Catharines, Ont.	Jan. 3
Jan. 15	Cape May, N. J.	Jan. 3
Jan. 17	**Rochester, N. Y.** Adv. Dec. 20 to Jan. 10.	Dec. 20
Jan. 17	Ft. Dodge, Ia.	Jan. 10
Jan. 18	**Lake Charles, La.** Adv. Dec. 27 and Jan. 3.	Dec. 27
Jan. 29	St. Louis, Mo. Adv. Jan. 3 and 10.	Jan. 3
Feb. 4	Minneapolis, Minn.	Jan. 10
STREETS AND ROADS		
Jan. 14	Long Island City, N. Y.	Jan. 10
Jan. 15	Brady, Tex.	Jan. 3
Jan. 15	**Michigan**	Dec. 6
Jan. 15	**Michigan**	Dec. 13
Jan. 15	**Rock Springs, Tex.**	Dec. 27
Jan. 15	**Louisiana**	Dec. 27
Jan. 15	Maryland	Jan. 3
Jan. 15	Tampa, Fla.	Jan. 10
Jan. 15	Florida	Jan. 10
Jan. 16	Santa Rosa, Calif.	Jan. 3
Jan. 17	Clarksville, Ark.	Jan. 10
Jan. 18	Genoa Junction, Wis	Jan. 10
Jan. 18	Amarillo, Tex.	Jan. 10
Jan. 19	Tonawanda, N. Y. Adv. Jan. 3 and 10.	Jan. 10
Jan. 21	California	Jan. 10
Jan. 21	Newport Beach, Calif.	Jan. 10
Jan. 28	New Jersey Adv. Jan. 10.	Jan. 10
Jan. 21	San Diego, Calif.	Jan. 10
Jan. 22	New Hampton, Ia.	Jan. 10
Jan. 22	Washington	Jan. 10
Jan. 22	Louisiana	Jan. 3
Jan. 22	**St. Louis, Mo.**	Dec. 27
Jan. 22	Alexandria, La.	Jan. 10
Jan. 23	Mississippi	Jan. 10
Jan. 23	Winona, Miss.	Jan. 3
Jan. 25	Waterloo, N. Y. Adv. Jan. 10.	Jan. 10
Jan. 29	Uvalde, Tex.	Jan. 10
Jan. 29	Baton Rouge, La. Adv. Dec. 27 and Jan. 10.	Jan. 3
Jan. 29	Virginia	Jan. 10
Feb. 1	Charleston, W. Va.	Jan. 10
Mar. 11	Washington	Jan. 10
INDUSTRIAL WORK		
Jan. 15	New York, N. Y.	Jan. 3
Jan. 17	Phila., Pa.	Jan. 10
Jan. 30	Columbus, O.	Jan. 10
Jan. 31	Ray Brook, N. Y.	Jan. 10
Feb. 1	Peoria, Ill.	Dec. 27
Apr. 30	**Wellington, New Zealand**	Dec. 6
May 21	Wellington, New Zealand. Adv. Jan. 10.	Jan. 10
BUILDINGS		
Jan. 12	Boston, Mass.	Nov. 29
Jan. 14	Schuylerville, N. Y.	Dec. 13
Jan. 14	St. Charles, Mo.	Jan. 10
Jan. 15	Norwalk, Conn.	Jan. 10
Jan. 15	San Antonio, Tex.	Jan. 10
Jan. 15	Baltimore, Md.	Jan. 10
Jan. 16	Baltimore, Md.	Jan. 10
Jan. 17	Tyler, Tex.	Jan. 3
Jan. 17	Jonesville, Mich.	Jan. 3
Jan. 18	Ottumwa, Ia.	Jan. 10
Jan. 18	Clairton, Pa.	Jan. 10
Jan. 21	Roslyn, N. Y.	Jan. 10
Jan. 22	Mayville, Wis.	Jan. 10
Jan. 22	Jamaica, N. Y.	Jan. 10
Jan. 22	Creedmoor (Jamaica P. O.), N. Y.	Jan. 10
Jan. 25	Williamsport, Pa.	Jan. 10
Jan. 29	Midland Park, N. J.	Jan. 10
Jan. 29	Bloomington, Ind.	Jan. 10
Jan. 30	Vernon, Tex.	Jan. 10
Jan. 30	Millville, N. J. Adv. Jan. 10.	Jan. 10
Feb. 1	Oklahoma City, Okla.	Jan. 10
Feb. 1	Lambertville, N. J.	Jan. 10
Feb. 1	Dorchester, Mass.	Nov. 29
Feb. 4	Rome, N. Y.	Jan. 10
Feb. 4	Urbana, Ill.	Dec. 13
Feb. 4	Columbus, O.	Dec. 27
Feb. 10	Trenton, N. J.	Jan. 10
FEDERAL GOVERNMENT WORK		
Jan. 14	Clearing Landing — Florence, Ala. Adv. Jan. 3 and 10.	Jan. 3
Jan. 14	Dredging — New York, N. Y.	Jan. 10
Jan. 14	Dike—Wilmington, Del.	Jan. 10
Jan. 14	Lumber — Leavenworth, Ind.	Jan. 10
Jan. 15	Filtration Plant, etc.—Wash., D. C. Adv. Dec. 20 to Jan. 10.	Dec. 20
Jan. 16	Scow and Barge—Milwaukee, Wis. Adv. Dec. 20 to Jan. 10.	Dec. 20
Jan. 16	Fuel Oil Storage—Mare Island, Calif.	Dec. 6
Jan. 16	Quarters—San Juan, Porto Rico	Jan. 10
Jan. 19	Gates—Cincinnati, O. Adv. Dec. 27 to Jan. 10.	Dec. 27
Jan. 21	Post Office—State College, Pa.	Dec. 27
Jan. 24	Barges—Portland, Ore.	Jan. 10
Jan. 28	Snagboat—Wilmington, N. C. Adv. Jan. 3 and 10.	Jan. 3
Jan. 29	Extension—Kansas City, Mo.	Jan. 3
Jan. 30	Ward—Great Lakes, Ill.	Nov. 15
Jan. 31	Extension — Haverhill, Mass.	Jan. 10
Feb. 1	Steel House—Wilmington, Del.	Jan. 10
Feb. 4	Hospital—Augusta, Ga. Adv. Jan. 3 and 10.	Jan. 10
Feb. 5	Steel Piling — Louisville, Ky.	Jan. 10
Feb. 6	Storehouse—Pearl Harbor, H. T.	Dec. 20
Feb. 8	Steel and Bolts—Owensboro, Ky.	Jan. 10
Feb. 11	Sub-Post Office—Memphis, Tenn. Adv. Jan. 10.	Jan. 10
Feb. 12	Gasoline Hoist, etc.—Ketchikan, Alaska	Jan. 10
UNCLASSIFIED		
Jan. 15	Levee—Clarksdale, Miss.	Jan. 10
Feb. 15	Subway—Tulsa, Okla.	Jan. 10
Jan. 18	Roadway Columns—New York, N. Y.	Jan. 10
Jan. 19	**Transformers, etc.—Melbourne, Australia**	Oct. 18
Jan. 21	Jetty—New Westminster, B. C.	Jan. 3
Jan. 22	Conduit—New York Adv. Jan. 3 and 10.	Jan. 10
Feb. 11	Transformers and Spares—Melbourne, Australia	Jan. 3
Mar. 31	Hopper Dredge — Brisbane, Queensland, Australia	Nov. 1
Apr. 30	**Headworks—Wellington, New Zealand**	Dec. 13
MATERIALS AND EQUIPMENT		
Jan. 14	Pumps—Montpelier, O.	Jan. 3
Jan. 14	Light Trucks, etc.—Houston, Tex.	Jan. 10
Jan. 14	Broken Stone, etc.—Long Island City, N. Y.	Jan. 10
Jan. 14	Road Surfacing Material, etc. —New York, N. Y.	Jan. 10
Jan. 14	Cement—Springfield, Ill.	Jan. 10
Jan. 15	Steam Roller—Kansas City, Mo.	Jan. 10
Jan. 17	Castings, etc.—St. Louis, Mo.	Jan. 10
Jan. 22	Bituminous Patching Material —Trenton, N. J. Adv. Jan. 10.	Jan. 10
Jan. 25	Mining Equipment—Duluth, Minn.	Jan. 10
Feb. 1	Crusher, Elevator, etc. — Oglesby, Ga. Adv. Jan. 10.	Jan. 10

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Atlantic City—Water Dept. plans further development of its artesian and surface water supplies. W. R. Conard, Savings Institution Bldg., Burlington, retained as consultant.

N. J., Pennington—Plans new mains and plugs in various streets. $25,000. H. L. Laning, Pennington, engr.

Fla., Gainesville—Plans extension to mains. $38,633. G. A. Caimes, city engr.

Fla., Madison—Voted $15,000 bonds for waterworks extension.

Miss., Como—Plans water works plant, with oil burning furnaces. $15,000.

Miss., Meridian—Jan. 28, to vote on $80,000 bonds waterworks improvements, incl. reservoirs, pumps, pipes, etc.

La., New Orleans—Sewerage & Water Bd., plans to complete improvements to water plant incl. 3 mi. new mains, three new 20 m.g. pumps and new steam turbine engine, etc. which will now pave way for other greatly needed improvements in Carrolton purification plant, to cost $1,000,000 or more. A. B. Woods, engr. for Sewers and Water Bd.

Tenn., Knoxville—Making surveys for waterworks improvements, incl. pumps, 14 in. main from reservoir, etc., for an additional 2,500,000 gal. high pressure water daily. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa., engrs.

Ind., Linton—Bd. Trustees plans new water supply system. $15,000. Engineer not selected.

Mich., Highland Park (Detroit P. O.)—Having plans prepared 7 mi. 30 or 36 in. pipe line from Lake St. Clair at Grosse Pointe to Highland Park, steel or c.i. pipe. $1,000,000. L. C. Whitsit, 20 Gerald Ave., engr.

Ia., Eldora—Voted $25,000 bonds for waterworks extension. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs.

Neb., Kearney—Feb. 5, to vote on $132,800 bonds for waterworks. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs.

Neb., University Place (Lincoln P. O.)—Jan. 15 to vote on $30,000 bonds, waterworks extensions. C. Gates, city clk.

Mo., Ava.—Making plans reservoir, water tower, distribution mains, etc. Voted $35,000 bonds for project. Axon & Russell, 404 McDaniels Bldg., Springfield, engrs. Noted Dec. 13.

Mo., Sweet Springs—Making plans waterworks extensions, sanitary sewers and brick paving. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs.

Tex., Bridgeport—Jan. 12, to vote on $50,000 bonds waterworks incl. well, tank and tower, $18,000 bonds sewers incl. disposal plant. Elrod Eng. Co., 3124 Elm St., Dallas, engrs.

Tex., Dallas—City Com. takes bids this month 2 m.g.d. turbine well pump in Oak Cliff Pumping Station. E. A. Kingsley, city engr.

Tex., Dallas—Dallas Co. Fresh Water Dist. 4 voted $37,500 bonds for waterworks system, North Highlands, incl. 10,500 ft. 6 in. and 7,100 ft. 4 in. mains, fire hydrants, etc. Myers & Noyes, Dallas Co. Bank Bldg., engrs.

Tex., Denison—See Streets and Roads.

Tex., Howe—Jan. 19, to vote on $17,500 bonds for waterworks additions.

Mont., Great Falls — Great Falls Park Bd. plans 60,000 gal. tank and pumping equipment at Giant Springs Park. M. L. Morris, city engr.

Okla., Chickasha — Defeated $60,000 bond issue for mains, settling basins and pumping equipment. Project dropped. Noted Dec. 27.

Calif., Montecito (Santa Barbara P. O.) —Montecito County Water Dist. rejected bids laying pipe, incl. trenching and backfilling. Work will probably be done by owner under supervision of Leeds & Barnard, engrs., Central Bldg., Los Angeles. Noted Dec. 27.

Calif., Santa Monica—Voted $1,000,000 bonds for water distributing system. J. A. Morton, comr. Bd. Pub. Wks. Noted Dec. 6.

Calif., Susanville—Plans extensions and improvements to waterworks system. $25,000.

Ont., Brantford—Plans to expend $90,000 for galv. iron pipe, corporation cocks, water meters, etc. F. P. Adams, city engr.

Ont., Welland—Plans extending waterworks, filtration plant, settling basin, etc. $700,000. C. L. Coulson, city engr.

BIDS DESIRED

Massachusetts — Jan. 31, at office of Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, furnishing and laying 11,400 ft. 60-in. steel pipe in Weston and Waltham; also laying 150 ft. c.i. pipe, 900 cu.yd. rock excav., etc. G. L. Rogers, secy.

N. J., South Orange—Jan. 4, by Water Com. drilling 8 in. well, 300 ft. deep and installing air-lift equipment. L. H. Biglow, Jr., chn. Water Comm.

Wash., D. C.—Jan. 25, by Dist. Comrs., 509 Dist. Bldg., 1 motor driven centrifugal pumping unit, capacity 3 m.g. per day.

W. Va., Fairmont—Jan. 26, by Bd. Pub. Wks., filtration plant. $100,000. J. C. Morris. Noted Nov. 15.

N. C., Louisburg—Jan. 24, by L. L. Joyner, mayor and Town Comrs., 1 m.g.d. mechanical filtration plant, rein.-con., one 750 g.p.m. raw water pump, removal of present equipment into old boiler room which is to be rearranged for pump room, piping, etc. W. M. Platt, Durham, engr.

S. C., Greenville — Jan. 30, by Water Comn., gravity pipe line. H. W. Perry, supt. waterworks; adv. E. N.-R. Jan. 10.

Wis., Genoa Junction—Jan. 18, by T. E. Watson, village clk., reservoir and 30 x 52 ft. pumping station, hollow tile and concrete. $15,000. W. G. Kirchoffer, 22 North Carroll St., engr.

Wis., Milwaukee—Jan. 12, by Central Bd. of Purchases, City Hall, furnishing brass goods, etc., for use of Water Dept., incl. 2,500 ⅝- to ¾-in. corporation cocks, 2,500 ¾- to 1-in. curb cocks, 5,000 ⅝- to ¾-in. meter cocks, 10,000 ⅝- to ¾-in. meter couplings, 100 fire hydrants, 30,000 lb. liquid chlorine.

Wis., Phillips—Feb. 1, by C. F. Scheel, city clk., one centrifugal pump, 300 g.p.m. against 175 ft. head and one 1,250 g.p.m. against 275 ft. head, motor driven, one 150

Waterworks (Continued)

hp. oil engine, one 100,000 gal. steel elevated tank, riser pipe. F. Henry, Phillips, engr.

S. D., Milbank—Jan. 14, repairing elevated steel tank, 47,600 lin.ft. 8- to 10-in. c.i. pipe. Dakota Eng. Co., 309 Western Natl. Bank Bldg., Mitchell, engrs.

Mo., Kansas City—Jan. 17, by Fire & Water Bd. 4,234 tons 36 in. c.i. pipe. The above is for feeder line on Prospect Ave.

Ark., Clarksville—Jan. 17, by D. W. Dunlap, secy. Bd. Impvt. Waterworks Dist. 3; waterworks extensions incl. 11,880 ft. 4- to 6-in. c.i. pipe, 890 ft. 2 in. galvanized iron pipe, etc. W. L. Winters, 311-312 Merchants Natl. Bank Bldg., Ft. Smith, engr.

BIDS RECEIVED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, mains in Hawtree Creek, Lefferts Blvd., Ocean Ave., Hasbrouck, Hutton and Meyer Pds., Gold, North and Silver Sts., also across Dunton Canal between Hawtree Creek and Ocean Ave., here, from Beaver Eng. & Contg. Co., 51 Chamber St., New York, $72,100.

Md., Baltimore—Bd. Awards, Dec. 26, 400,000 lb. pig lead for Water Dept., from N. Trotter & Co., 36 North Front St., Phila., Pa., $8.235 per 100 lb. Noted Dec. 20.

O., Cincinnati—For pipe and c.i. castings for water distribution system in Winton Rd., Froome and Mitchell Aves., from U. S. Cast Iron Pipe & Fdry. Co., Addyston, $94,166. Engrs. est. $100,000. Noted Dec. 13.

Calif., Glendale—City, Dec. 20, constructing 15 m.g. reservoir, from Kinne & Westerhouse, I. W. Hellman Bldg., Los Angeles, $61,650 for grading and rein.-con. construction, $16,540 for roof. Noted Dec. 13.

Md., Baltimore—Mayor and City Council, furnishing and delivering c.i. pipe and fittings for Water Dept., from R. D. Wood & Co., 400 Chestnut St., Phila., Pa., $234,389. U. S. Cast Iron Pipe and Fdry. Co., 1421 Chestnut St., Phila., Pa., $235,923 and $227,000 on centrifugal alternate.

CONTRACTS AWARDED

R. I., Providence—Water Supply Bd., City Hall, clearing, grubbing, earth and rock excav. in preparation for Scituate Reservoir, in Scituate, to J. Livingstone Co., 70 East 45th St., New York City, $254,410. Noted Dec. 27.

N. J., Kearny (Arlington P. O.)—Town Council constructing part of Meadows Water System known as steel main in Jacobus Ave., to Nesto Constr. Co., 635 Broad St., Newark, $52,800. Noted Nov. 22.

W. Va., Keyser—City, new waterworks incl. buildings, tanks and machinery, to Pihl & Miller, Wabash Bldg., Pittsburgh, Pa. Est. cost $150,000. Noted Nov. 8.

O., Columbus—Franklin Co. 2,005 ft. 6 in. c.i. mains, etc. in Sewer Dist. Clinton 2, Contr. 32, to Johnson Constr. Co., Columbus, $13,074. 6,365 ft. 6 and 10 in. c.i. mains in Sewer Dist. Clinton 2, Contr. 27, to H. E. Miller Constr. Co., Columbus, $13,074; 4,446 ft. 8 in. vitr. sewers, etc., in Sewer Dist. Clinton 2, Contr. 31, to Gaty Constr. Co., 3720 North High St., $10,335. Noted Dec. 20.

Mich., Detroit—Bd. Water Comrs. will purchase pipe and lay 1,015 ft. 6 in. c.i. mains in Christy, Hindle and Greenlawn Ave., 5,540 ft. 8 in. mains in Klinger, Harper and Audubon Aves., also 10,147 ft. 8 in. mains in Pepper Rd. Bassett, Helen and Ethel Aves., 2,135 ft. 12 in. mains in Pembroke and Minden Aves., 1,750 ft. 16 in. mains in Whittier Ave., by day labor. G. Fenkell, East Jefferson Ave., genl. mgr.

N. D., North Fargo—See "Sewers."

Colo., Denver—For 27,384 ft. 36- to 48-in. pipe, 91, 160 lb. Y branches, 5,130 lb. wood to iron, 145,804 lb. all other specials, to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, $424,628; twenty-two 24- to 60-in. hub end, two 60 in. hydraulic and two 60 in. electric horizontal valves, to Hendrie & Bolthoff, 1639 17th St., $51,305; 1,484.7 tons 20- to 24- in. pipe, to Colorado Fuel & Iron Co., Boston Bldg., $95,021. Noted Dec. 13.

Colo., Denver—Bd. Comrs. conduit construction exclusive of excavation and back fill to W. O. Morrison, 403 Cooper Bldg., $1.78 per lin.ft.; excavation and back fill only for entire conduit, to E. H. Honne, Box 72, Colorado Springs, $3.28 per lin.ft.; untreated Douglas fir, to Bolcom-Canal Lumber Co., 12th Ave. W. and West Nickerson Sts., Seattle, Wash., $76.75 per M ft., bands and clips, to Colorado Fuel & Iron Co., Pueblo, lump sum $182,133; shoes, to Asser Malleable Casting Co., Marion, O., lump sum, $58,176. Noted Dec. 6.

Wash., **Seattle**—Bd. Pub. Wks., mains in 125th Ave. N. et al., 10,464 ft. 8-in. and 1,512 ft. 6-in. Class C c.i. pipe, to C. Argentieri, 1819 Weller St., $37,537. Engrs. est. $40,995.

Ont., Oshawa—Centrifugal pump 1,025 imp. gal. against 340 ft. head, to Turbine Equipment Co. Ltd., 73 King St. W., Toronto.

Ont., Windsor—Filtration plant to Strain & Emery, Dowler Bldg., $350,000. Noted Nov. 15.

Sewers

PROPOSED WORK

Conn., Hartford—Street Bd. plans 2,000 ft. 12- to 20-in. vitr. clay sewer in Brown St., $25,000; also covering Gully Brook from Greenfield to Westland Sts., $100,000. R. N. Clark, city engr.

Fla., Gainesville—Plans to sell $102,153 bonds for sewers. G. A. Caimes, city mgr. and engr.

Fla., South Jacksonville (Branch of Jacksonville)—Voted $36,000 bonds for sewers. J. L. Crary, South Jacksonville, engr.

Ky., Louisville—Plans election to vote on $5,000,000 bonds for sewers. J. B. F. Breed, 417 West Main St., ch. engr. Sewer Comn.

O., Ironton—Plans 6 mi. sewers in Sewer Dist. 8. $30,145. L. G. Howell, Ironton, engr.

Ind., Evansville — Plans to construct portion Howard Roosa Trunk Sewer. Project complete to cost $1,000,000. W. Elmendorf, mayor.

Ind., Seymour—Plans new sanitary sewerage system, electrically operated pumping equipment, etc. $200,000. C. H. Hurd, 1405 Merchants Bank Bldg., Indianapolis, engr.

Neb., Fremont—Plans election to vote on $100,000 bonds for sewage disposal plant. L. M. Roessler, Fremont, engr.

Mo., Sweet Springs—See "Waterworks."

Tex., Bridgeport—See "Waterworks."

Tex., Cameron—Voted $25,000 bonds for sewage disposal plant. $25,000. J. B. White, mayor. Noted Nov. 29.

Tex., Denison—See Streets and Roads.

Tex., Waco—Voted $350,000 bonds sewage disposal plant and $75,000 bonds for sanitary sewers. V. G. Koch, city engr. Noted Dec. 13.

Okla., Chickasha—Voted $70,000 bond issue for outfall sewer and disposal plant, incl. 10,000 ft. 21 in. vitr. clay pipe, Imhoff tank and filters. J. C. Milliken, Chickasha, engr. Noted Jan. 3.

Calif., Modesto—Having plans prepared, first unit of storm sewerage system. Jones St. between Kimble and McHenry Sts. $25,000. F. W. McCarton, city engr.

Calif., Reedley—Having surveys and estimate made for sewerage system and disposal plant. Plans election to vote on $75,000 to $100,000 bonds. J. S. Bates, Rowell Bldg., Fresno, engr. Noted May 3.

Calif., San Bernardino—Plans deep sewer and enlargement of E St. outfall. $65,000-$70,000. C. E. Johnson, city engr. Noted July 26.

Que., Montreal—Plans 768 ft. 2 x 3 brick sewer in Drolet St. $7,275, 3,142 ft. in St. Donat St. $23,320. E. Gauthier, asst. city clk.

Ont., Brantford—Having plans prepared and takes bids about Jan. 15, storm sewer in St. George St. $30,000. F. P. Adams, city engr.

Ont., Ft. Erie—Ft. Erie and Bridgeburg Councils plan joint construction of sewer in Gilmour and Erie Sts., 5,000 ft. vitr. pipe, 8 in. up. $25,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Ft. William—Plans new sewers in Sprague, Mary and Harkness Sts., $25,000 and repairs to Empire Ave. sewer $8,000, 10,000 ft. vitr. pipe, 8 in. up. C. B. Symes, city engr.

Ont., Guelph—Having plans prepared and takes bids about Jan. 15, extending sewerage system. $40,000. H. S. Nicklin, City Hall, engr.

Ont., Hamilton — Plans prepared storm overflow sewerage system in Birch Ave. Dist., 20,000 ft. vitr. pipe, 8 in. up. $250,000. W. L. McFaul, city engr.

Ont., Hamilton—Having plans prepared storm overflow sewer system in Sherman Ave. Dist. 4½ mi. vitr. pipe, 8 in. up. $260,000. W. L. McFaul, city engr.

Ont., Newmarket—Plans to extend waterworks system incl. 10,000 ft. 6- to 8- in. c.i. pipe, etc. $25,000. Engineer not selected.

Ont., Oshawa — Having plans prepared rein.-con. sewage disposal system. $50,000. W. C. Smith, Municipal Hall, engr.

Ont., Sarnia—Plans to extend sewers in Collingwood St. $28,000. M. D. Stewart, city engr.

Ont., Toronto—York Twp. plans sewer system in St. Clair Ave. Dist. from Avenue Rd. to Black Creek, 10 mi. of concrete, rein.-con. and vitr. pipe, 8 in. up. $618,000. James, Proctor & Redfern, Ltd., 36 Toronto St., Toronto, engrs.

BIDS DESIRED

N. Y., Long Island City—Jan. 14, by M. E. Connolly, pres. Queens Boro. Queens Subway Bldg., sewers in Varian Pl., Harman St., Astoria and Patterson Aves., also across Queens Blvd. at intersection of Whittier Ave., Laurenson and Von Loon Places, etc.

N. Y., Pleasantville—Feb. 11, by Bd. Sewer Comrs., purification and disposal works, Contr. 1. J. O. Derby, engr.; adv. E. N.-R. Jan. 10.

Md., Baltimore—Jan. 16, by City Register, 400,000 lb. manhole, sewer inlet and similar iron castings. S. Purcell, ch. city engr.

Ala., Talladega—See "Streets and Roads."

Mo., St. Louis—Feb. 5, by Bd. Pub. Serv., 208 City Hall, 505 ft. 10- to 12-in. vitr. clay sewer in Clifton Heights Sewer 4,500 cu. yd. excav., etc., $3,000; 6,505 ft. 8- to 27-in. vitr. clay and 1,725 ft. 36- to 66-in. brick in concrete or 2 ring segmental block sewer in Glaise Creek Dist. Sewer 19, 7,720 cu.yd. excav., etc., $47,510; 1,065 ft. 8- to 21-in. vitr. clay sewer in Glaise Creek Dist. Sewer 23,600 cu.yd. excav., $3,920; 2,100 ft. 12- to 24-in. vitr. clay sewer in Glaise Creek Dist. Sewer 24, 1,470 cu.yd. excav., $9,400. W. W. Horner, City Hall, engr. Noted Dec. 13.

Ark., Clarksville—Jan. 17, by D. W. Dunlap, secy. Sewer Dist. 4, 11,650 ft., 6- to 8-in.-vitr. clay pipe, three hundred and forty 6- to 8-in.-Y's, etc. W. L. Winters, 311-312 Merchants Natl. Bank Bldg., Ft. Smith, engr.

Ark., Ft. Smith—Jan. 24, by G. F. Carnall, secy. Bd. Impvt. Sewer Dist. 4, sewer improvement incl. 37,710 ft. 8- to 18-in. vitr. pipe, 4,320 ft. trench under 4 ft. deep excavated and refilled, 13,900 lin.ft. 4- to 6-ft., 12, 750 6- to 8-ft., 5,270 8- to 10-ft., 1,190 10- to 12-ft. and 300 ft. 12- to 14-ft. trench, 1,000 cu.yd. rock excav., etc. W. H. Evans, City Hall, engr., W. L. Winters, 311-312 Merchants Natl. Bank Bldg., consult. engr.

Okla., Stroud—Jan. 14, by W. B. Kirtley, city clk., 8 mi. sanitary sewerage system and disposal plant, 31,540 ft., 8 in.- to 15 in.- vitr. clay pipe, 17,000 cu.yd. earth 8,700 cu.yd. rock trenching Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs. Noted Nov. 15.

Calif., Covina—City Trustees receiving bids 6,000 ft. 8 in., 3,600 ft. 10 in. and 200 ft. 12 in. concrete or vitr. sewer pipe, 49 manholes, one flushtanks and 220 service connections.

Calif., Orange—City Trustees taking bids 17,200 lin.ft. 24 in. and 2,000 lin.ft. 27 in. outfall sewer from present septic tank to point of junction with Anaheim and Fullerton system near Garden Grove. C. C. Bonebreak, city engr.

BIDS RECEIVED

N. Y., Buffalo—Commissioner Pub. Wks., Municipal Bldg., Dec. 27. (1) 24 in. tile sewer in south side of Amherst St. (2) 10 in. tile sewer in Brunswick Blvd. (3) 10 and 12 in. tile sewer in Houston St. (4) 10, 12 and 15 in. tile sewer in Payne Ave. (5) 10, 12 and 15 in. tile sewer in Roland Ave. (6) 10 and 12 in. tile sewer on north side of Taunton Pl., from L. D. Pasquale, 126 Erie St., (1) $13,050 and $14,727, winter work $15,050 and $16,727 (2) $1,399 (4) $2,512; Batt Co., Inc., 955 Michigan St., (3) $2,170; J. M. Fahning, 460 Leroy Ave., (5) $2,190; Dark & Co., 306 Franklin St., (6) $2,100. Noted Dec. 20.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro. Queens Subway Bldg., Jan. 4, sewers in (1) 159th St. (2) Suwanee Ave. A and B (3) 90th St. A and B, from J. F. Clancy, Inc., 460 Lockwood St., Astoria, (1) $2,649 (3b) $13,425; E. J. Kelly, Jr., (2a) $31,764 (2b) $31,309; Green Contg. Co., 734 Vernon Ave., Astoria, (3a) $15,254. Noted Jan. 3.

Pa., Wilkes-Barre—East End Sewerage System, 3,100 ft. 4 and 5 ft. circular brick, from Higgins & Reilly Constr. Co., Phila., $62,609.

Mich., Detroit—Dept. Pub. Wks., furnishing and installing sewage pumps, motors and air compressors, electrical equipment, piping, valves, etc., two motor driven centrifugal 24 in. pumps, two 15 in. pumps, etc., from Miller & York, 1523 East Congress St., $74,900. Noted Dec. 6.

Calif., La Jolla — See "Streets and Roads."

Que., Montreal—Constructing 2 x 3 brick sewers in 396 ft. Notre Dame de Grace Ave. from Girouard to Marcil Aves., and 966 ft. from Wilson to Hampton Aves., from A. Thezaud, 885 St. Catherine St. E., $3,094 and $6,660 respectively; 954 ft. Notre Dame de Grace Ave. from Madison to Beaconfield

Sewers (Continued)

and from Kingston to Sherbrooke Sts., from Toussaint Bros., 2353 St. Denis Blvd., $6,849; 675 ft. in Boyce St. from S. Ricci, 2742 Drolet St., $4,003; 723 ft. Belanger St. from C. Perluzzi, 407 Labrecque St., $5,338.

Ont., North Bay — For 15,000 ft. vitr. tile storm sewers, 8 in. up, in various streets, from Derosa & Demarco, North Bay, $45,995. Noted Nov. 22.

CONTRACTS AWARDED

N. Y., Johnson City—Bd. Village Trustees 8,060 ft. 24- to 42-in. rein.-con., 90 ft. 20 in. c.i., and 712 ft. 8-20-in. vitr. clay sewers and 690 ft. 6 in. vitr. clay laterals in Riverside Dr. to Willow, Grand, Linco'n and Division Sts., Burbank and Farr Aves., to C. Rose, 807 Chenango St., Port Dickinson, $64, 138. Engrs. est. $65,000. Noted Dec. 27.

Md., Baltimore—Bd. Awards, 6,400 ft. 8- to 48-in. sanitary sewers and storm drains, in Dists. 50 and G-11, Storm Water Contr. 63, to A. J. Boyle, 314 American Bldg., $48,910. Engrs. est. $70,000. Noted Jan. 3.

W. Va., Bluefield—Sanitary sewers, inlets, etc., to J. W. Vaughan & Co., Roanoke, $200,000; ditch work, etc., to Pace Constr. Co., Roanoke, $15,000. Noted Nov. 22.

O., Akron—W. F. Peters, dir. Pub. Serv., Hawkins Ave. interceptor sewer, about 1 mi. long, 70 ft. underground, to T. E. McShaffrey Constr. Co., 171 South Forge St., $415,000. Engrs. est. $400,000. Noted Nov. 22

O., Columbus—See "Waterworks."

O., New Philadelphia—Sewers in Bway. and High Sts., to H. C. Schneider, New Philadelphia, $25,630. Noted June 14.

N. D., North Fargo—Sanitary sewer in 15th Ave. N. and 4,504 lin.ft. 6 in. c.i. water mains in various streets, to Haggart Constr. Co, Fargo, $47,919 and $10,842.

Mo., Maplewood (St. Louis P. O.)—For 9,800 ft. 8- to 36-in. vitr. clay, and 200 ft. 42 in. segmental block sewer in Laclede Rd. Dist. Sewer 1, to Blackburn & Crean, Chouteau Trust Bldg., St. Louis, $90,635. Noted Dec. 20.

Tex., Dallas—Addition to present disposal plant, 12 Imhoff tanks, and sewer lines, to R. J. Estep Co., Deere Bldg., $148,297. Engrs. est. $178,000.

Wash., Aberdeen—City Council, sanitary sewers in South Aberdeen Dist., vitr. pipe, to K. A. Keasal Constr. Co., Aberdeen, $39,500. Engrs. est. $40,000.

Calif., Los Angeles—Bd. Pub. Wks., constructing following sections North Outfall Sewer, 11,050 lin.ft. semi-elliptical sewer, 10 ft. 6 in. depth, Sect. 4, to Ross Constr. Co., Van Nuys Hotel, $303,300; 15,197 lin. ft. semi-elliptical sewer, Sect. 6, to Callahan & Cooney, Laughlin Bldg., $298,000; 10,906 lin.ft. semi-elliptical sewer, Sect. 8, to L. S. Atkinson, Jr., Chapman Bldg., $249,500; 6,294 lin.ft. semi-elliptical type, Sect. 9, to T. Kelly & Sons, 815 Hill St., $165,516. Noted Jan. 3.

Waste Disposal

PROPOSED WORK

Md., Baltimore—Mayor and City Council plan concrete incinerators. $300,000. S. Purcell, City Hall, ch. engr.

Bridges

PROPOSED WORK

Conn., Rockville—See "Railways" under Connecticut.

N. Y., Le Roy—Plans 2 span steel and concrete bridge, 110 ft. long, Clay St. $60,000. Engineer not selected. Will be presented to voters in near future upon completion of plans.

N. Y., Port Washington—North Hempstead Twp. and Long Island R.R., Pennsylvania Sta., New York City, plan 4 span concrete bridge, 24 ft. concrete roadway, and 5 ft. passageway on each side, Willowdale Ave. L. V. Morris, Jamaica, ch. engr.

Pa., Pittsburgh—Allegheny Co., Court House, having plans prepared removing old bridge and constructing 848 ft. bridge with two 215 ft. spans and one 418 ft. span, over Allegheny River, 7th St. $1,125,000. V. R. Covell, City County Bldg., co. engr. E. F. Wood, Century Bldg., designing archt.

North Carolina—State Hy. Comn., Raleigh, plans constructing bridges (**S. P. means State Project**) steel and rein.-con. bridge over Pee Dee River, on S. P. 610, Anson Co., $275,000; steel and rein.-con. bridge over Deep River, on S. P. 404-C, Chatham Co., $70,000; rein.-con. bridges and culverts on S. P. 212, Craven Co., $45,000, on S. P. 720, Caldwell Co., $50,500, on S. P. 472-B, Vance Co., $30,000. C. K. Upham, state highway comr.

North Carolina—See "Streets and Roads."

Fla., Jacksonville — Rejected bids two rein.-con. bridges with steel draw spans, $450,000. Plans may be revised and work readvertised. Harrington, Howard & Ash, 1001 Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted Sept. 27.

O., Chillicothe—City negotiating with Baltimore & Ohio R.R., Central Union Depot, Cincinnati, for building of 1,300 ft. viaduct, Main St. $400,000. A. Richards, city engr.

Minn., Austin—Plans 195 ft. steel and concrete bridge, 52 ft. wide, with 2 arched spans, over Cedar River. $50,000. F. R. Smith, clk.

Missouri—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, plans bridges over stream on Stations 1750 plus 08, 1800 plus 89, 1425 plus 21 and 1704 plus 36, Bates Co.; over Fabins Creek, Schuyler Co.; over stream, Warren Co.; over Sinking Creek and Current River, Shannon Co.; over Beaver Dam Creek, Audrain Co.; over Salt Fork, Saline Co.; over Elk Fork, Randolph Co., B. H. Piepmeier, state highway engr.

Missouri — State Hy. Dept., Jefferson City, plans bridges over Little Pike Creek, over stream on Sta. 1705 plus 00, and over stream on Sta. 1727 plus 00, Carter Co.; over stream on Stations 552 plus 56, 494 plus 75, 605 plus 18, 159 plus 95, 230 plus 84, 351 plus 23, and 453 plus 21, Barton Co.; over Lamine River, also over overflow of Lamis River, Cooper Co.; over stream on Stations 668 plus 08 and 783 plus 98, Crawford Co.; over Middle Fork of Eleven Points River, over Eleven Points River, and over Barren Fork River, Oregon Co.; over Wildcat Creek, Platte Co.; over Niangua Creek and Northview Branch, Webster Co. B. H. Piepmeier, state highway engr.

Mo., Springfield—City and St. Louis & San Francisco R.R., 210 South Jefferson St., plan rein.-con. viaduct over railroad tracks. Election soon to vote on $300,000 bonds.

Tex., Houston—Harris Co. had plans prepared concrete bridges and culverts on State Highways $125,000; concrete culverts and bridges on county roads $475,000. Howe & Wise, co. engrs.

Okla., Sayre — Beckham Co. defeated $300,000 bond issue for bridges. Project dropped. Noted Nov. 22.

Calif., Sherman Island — Delta Bridge Corp., foot of Hyde St., San Francisco, O. H. Klatt, secy., plans bridge between here and Antioch, from Sacramento to Contra Costa Co., incl. 850 lin.ft. trestle, 2,000 lin. ft. 100 ft. spans (20 spans), 300 lin.ft. cantilever lift span, 270 ft. clearance, 100 lin.ft. span, 125 lin.ft. span, and 850 lin.ft. trestle on Sacramento Co. side. J. Little and R. E. Dodge, 251 Kearny St., San Francisco, engr.

Que., Montreal—Montreal Harbor Comrs. in conjunction with Union of the Municipalities of Quebec, have prepared plan to be presented to Provincial and Federal Governments, for constructing bridge across St. Lawrence River to connect city with south shore, to be built in 2 sections, one section from foot of Delormier Ave. to St. Helens Island, comprising a cantilever suspension bridge with channel span 1,280 ft. long, total length 2,160' ft. and 3 deck spans 230 ft. each, other section from St. Helens Island to the south shore is made up of 7 deck spans and 7 through spans, 3,270 ft. long, 60 ft. roadway, total length of bridge 6,938 ft. $5,000,000. M. P. Fennell, genl. mgr.

Ont., Brampton—Plans 60 ft. concrete bridge, 45 ft. roadway, on Main St. over Etobicoke Creek. $25,000. W. Treadgold, town engr.

Ont., Pembroke—Plans highway bridge over Muskrat River, three 90 ft. spans, 20 ft. roadway, steel on concrete piers and abutments. $75,000. J. P. Howe, town engr.

BIDS DESIRED

New Jersey—Jan. 28, by State Hy. Dept., Trenton, repairing and strengthening turntable of center rim of bearing of draw span 395 ft. long, 59 ft. wide, rim bearing parts of steel, to be removed and replaced with new in shortest time possible, while maintaining traffic on bridge over Passaic River, M. P. 56.7, State Highway Route 1, Lincoln Highway Sect., in municipalities of Newark and Kearny, Essex and Hudson Counties. A. L. Grover, ch. clk.; adv. E. N.-R. Jan. 10.

Virginia—See "Streets and Roads."

Fla., West Palm Beach—Jan. 16, by C. H. Holstlaw, engr. Palm Beach Co., double leaf deck plate girder bascule draw span, 2 deck plate girder approach spans and substructions over Palm Beach Canal on Military Trail; bridge over Lake Worth at Lantana, complete wood pile trestle, steel swing draw span.

Mississippi—See "Streets and Roads."

Oklahoma—Jan. 16, by W. C. Burnham, state highway engr., Oklahoma City, bridge over North Fork of Canadian River north of El Reno, Federal Aid Project 113, four 120 ft. steel spans on concrete piers and abutments; bridge over Salt Fork of Arkansas River, near Ponca City, Federal Aid Project 123, four 96 ft. and one 20-ft. steel spans.

BIDS RECEIVED

Mass., Haverhill — Haverhill Lower Bridge Rebuilding Comn., Court House, Salem, constructing channel span at Haverhill Lower Bridge, here, from Amer. Bridge Co., 71 Bway., New York City, bascule $125,000, 3 hinged arch $59,000. Noted Nov. 8.

N. Y., Buffalo—Bd. Pub. Wks., Municipal Bldg., Dec. 26, reconstructing, renewal and protection of viaduct over tracks of Lake Shore, & Michigan Southern R.R., Fulton St., from Lackawanna Steel Const. Corp., Walden Ave., Cheektowaga, $6,434; new truss span for Elk-Abbott viaduct over tracks of Erie R.R., etc., and replacing 2 old truss spans with 3 new ones on Elk St. viaduct, etc., from Independent Bridge Co., May Bldg., Pittsburgh, Pa., $63,900 and $156,900 respectively; replacing 1 old truss with one 113 ft. 6 in. new truss span on Elk-Abbott viaduct, etc., and old truss span with one 105 ft. new truss span on Van Rensselaer St. viaduct, etc., from Amer. Bridge Co., Inc., 1509 Guardian Bldg., Cleveland, O., $70,975 and $49,620, respectively. Noted Dec. 20.

Alabama—State Hy. Dept., Montgomery, 3 bridges on road from Uniontown to Browns Station, Federal Aid Project 142, Perry Co., treated timber from C. W. Cooper, Anniston, $28,053; concrete from Lamb & McLemore, Eutaw, $58,041. Noted Nov. 15.

Tex., Hemphill—See "Streets and Roads."

California — State Hy. Comn., Sacramento, constructing six bridges and approaches across Mill Race, Salt Creek, Craig Creek, Salt Creek Overflow, Butler Slough and New Creek in Tehama Co., (a) 880 cu.yd. Class A Portland cement concrete in superstructures (b) 535 cu.yd. Class A Portland cement concrete in frame bents (c) 2,600 cwt. reinforcing steel, (d) one hundred 30 ft. rein.-con. piles (e) twenty four 34 ft. rein.-con. piles from McKenzie & Pollard, Gerber, (a) $17.25 (b) $17.25 (c) $5.75, total with frame bents $48,646; T. H. and M. C. Polk, Chico, (a) $21 (b) $20.35 (c) $5.67 (d) $110 (e) $120, total with frame bents $53,999, with rein.-con. piles $54,904. Noted Dec. 6.

CONTRACTS AWARDED

Pa., Pittsburgh—Allegheny Co., bridge over Jacks Run between here and Bellevue, to J. F. Casey Co., Union Arcade, (alternate bid) $381,932.

Ky., Pikeville—Comrs. Pike Co., 5 small bridges over Levisa River, to J. A. Steele, Jr., 531 South Gay St., Knoxville, Tenn. Est. cost to exceed $25,000. Noted Dec. 6 under Streets and Roads.

Ia., Correctionville — Woodbury Co., (Sioux City), steel and concrete bridge, three 90 ft. and two 50 ft. spans, 20 ft. roadway, over Little Sioux River, here, to Des Moines Steel Co., 5th and Tuttle Sts., Des Moines, $40,000. Noted Nov. 22.

Okla., Watonga—Blain Co., six 70 ft. steel spans incl. approaches over North Canadian River, Federal Aid Project 118, Sect. A, here, to A. A. Davis & Co., Grain Exch. Bldg., Oklahoma City, $76,473.

Ontario — Toronto Eastern Ry. Co., Toronto St., Toronto, rebuilding wooden railway trestles at Whitby, Oshawa and Bowmanville, to W. H. Harvey, Deseronto.

Dams

PROPOSED WORK

Tex., Brownwood — See "Excavation, Drainage, Irrigation."

Tex., San Saba—See "Excavation, Drainage, Irrigation."

Ont., Morrisburg—See "Unclassified."

Railways

PROPOSED WORK

Connecticut—New York, New Haven & Hartford R.R., New Haven, plans to lay new tracks, enlarge freight yards and build bridge over Hockanim River, at Rockville. $150,000. E. Gagel, ch. engr.

Railways (Continued)

Alabama—Louisville & Nashville R.R. Co., 10th and Bway, plans 5 mi. second tracking from Montgomery to Cotoma. $250,000. W. H. Courtenay, ch. engr.

Indiana—See "Industrial Works," under Hammond.

CONTRACTS AWARDED

Oregon—Southern Pacific R.R. Co., 65 Market St., San Francisco, constructing 25 mi. unit of Natron Cutoff in Klamath Co., to Utah Constr. Co., Phelan Bldg., San Francisco.

Excavation, Drainage Irrigation

PROPOSED WORK

Tex., Brownwood—P. A. Glanville interested in formation of irrigation district along Leon River, to irrigate 40,000 acres incl. 2,000 ft. dam. Probable cost over $1,500,000.

Tex., San Saba—San Saba Co. Recl. & Conservation Dist. 1 plans election at once to form district, $2,000,000 dam and irrigation system planned. F. Porter, 3525 Hall St., Dallas, engr. Noted Oct. 11.

Ont., Morrisburg—See "Unclassified."

Ont., Port Hope—Dept. Pub. Wks., Parliament Bldgs., Ottawa, plans to dredge and deepen Port Hope Harbor. $30,000. K. M. Cameron, ch. engr.

BIDS DESIRED

New York—Jan. 14, by J. A. Delaney, comr. Docks Pier "A" foot of Battery Pl., New York City, dredging channel, constructing dikes, placing fill on West Island in connection with improvement of Jamaica Bay, Queens Boro. Noted Dec. 13.

O., Blackford—Cambria Clay Products Co., taking bids 60,000 cu.yd. steam shovel excav. to extend sewer pipe stock yard.

Ia., Ft. Dodge—Jan. 17, by Joint Bd. Supervs. Webster, Boone and Greene counties, at Court House, here, constructing Joint County Drain 3, 12,923 cu.yd. excav., 4,195 ft. 46 in., 2,655 ft. 44 in., 1,600 ft. 42 in., 2,150 ft. 36 in., 558 ft. 24 in., 130 ft. 12 in., 481 ft. 8 in. and 1,178 ft. 6 in. tile, etc., $53,700.

Minn., Minneapolis—Feb. 4, by Bd. Park Comrs., City Hall, dredging in Powderhorn Lake at 15th Ave. S. and 34th St., 140,000 cu.yd. excav. $35,000. A. C. Godward, c/o Board Park Comrs., engr.

BIDS RECEIVED

N. Y., Brooklyn—J. H. Delaney, comr. Docks, Pier "A" foot of Battery Pl., New York, Dec. 29, dredging 52nd St. pier, Contr. 1823, and at Bay Ridge Ave., Contr. 1824, here, from Columbia Dredging Corp., 30 Church St., New York, $6,650 and $2,450 respectively. Noted Dec. 20.

Streets and Roads

PROPOSED WORK

Conn., Hartford — Street Dept. plans widening Farmington Ave. $25,000. R. N. Clark, city engr.

N. Y., Owego—Plans construction 7 mi. town-county roads, incl. Barton, Berkshire, Nichols, Candor, Newark and Owego Rds. $250,000. Engineers name withheld.

N. J., Freehold—Monmouth Co. plans concrete paving 2½ mi. West Freehold-Smith Rd. G. K. Allen, 60 Broad St., Red Bank, engr.

Pa., Ebensburg—Comrs. Cambria Co. plan to reconstruct 25,400 ft. Route 221, from Dysart to Buckhorn, Dean Twp., brick or rein.-con., $200,000, 3,000 ft. Millcreek Rd. and Luzerne St., rein.-con. or brick in Southmount Boro., $30,000, 2,600 ft. brick highway on Powell Ave., leading from Cresson to Wm. Penn Highway, $30,000. D. W. Dillman, Altoona Trust Bldg., Altoona, engr.

Pa., Ebensburg—Comrs. Cambria Co. plan 1 mi. brick highway on High St., here, $50,000. County appropriates $35,000. F. H. Dorr, Trust Bldg., engr.

W. Va., Bluefield—Plans paving about 30 blocks and repaving 8 blocks, various streets, mainly College Ave., 4th and Augusta Sts. To exceed $25,000. C. E. Ridley, city mgr.

W. Va., Grantsville—Calhoun Co., Centre Dist., plans election vote on $100,000 bond issue improving roads. J. W. McKinney, Grantsville, engr.

North Carolina—State Hy. Comn., Raleigh, plans improving roads (**S. P. means State Project**) grading and concrete or asphaltic surfacing 11.989 mi. S. P. 381, Pender Co., $388,500, 2.311 mi. S. P. 352, New Hanover Co., $85,400, 10.008 mi. S. P. 222, Duplin Co., $325,100, 10.76 mi. S. P. 212, Craven Co., $408,400, 11.5 mi. S. P. 106-B, Bertie Co., $345,000, 6.25 mi. S. P. 111, Camden Co., $144,200, 9.51 mi. S. P. 836-B, Henderson Co., $306,850, 12.5 mi. S. P. 720, Caldwell Co., $471,300, 8.072 mi. S. P. 732-B, Davie Co., $263,400; grading and topsoiling 6.1844 mi. S. P. 662, Richmond Co., $48,700, 4.651 mi. S. P. 472-B, Vance Co., $42,600; grading 16.965 mi. S. P. 912, Cherokee Co., $114,100; grading, topsoiling and bridging 5.336 mi. S. P. 714 Ashe Co., $55,000, 3.134 mi. S. P. 449-A, Lee Co., $27,600; grading and bridging 1.513 mi. S. P. 992, Transylvania Co., $65,700; grading, concrete or asphaltic paving and bridging 5.152 mi. S. P. 536, Guilford Co., $168,400. C. M. Upham, state highway comr.

Fla., Bushnell—Sumter Co. election Jan. 30 to vote on $143,000 bonds grading and paving 13 mi., Wildwood west to Rutland Bridge and on; $54,166, 6 mi., Coleman toward Leesburg; $43,333, 8 mi., Sumterville to outlet Big Lake Panasoffkee; $43,333, 7 mi., Bushnell to Withlacoochee River (Birdell); $54,170 roads in Comr. W. O'Dells Dist., to be named later; $70,416, 6 mi., Comton Hill to Sloan Ridge; $57,416, 4 mi., Sloans Bridge to Nortons Crossing; $130,000 13 mi. Bushnell to Weeds Landing. $54,166, 7 mi. finishing, Sloans Bridge to Tarrytown.

Fla., Gainesville—Plans to sell $371,118 bonds improving various streets. G. A. Caimes, city engr.

Fla., South Jacksonville (Branch of Jacksonville)—Voted $112,000 for street improvements. J. L. Crary, South Jacksonville, engr.

Fla., Tavares — Lake Co., sold $65,000 bonds for improvements in Eustis-Tavares Special Road & Bridge Dist.; $40,000 bonds for Special Road & Bridge Dist 3. G. E. Heller, Tavares, engr.

Alabama—State Hy. Comn., Montgomery, soon takes bids asphalt paving 34 mi. Montgomery-Birmingham Highway, Chilton Co., 20 ft. $250,00. W. S. Keller, state highway engr.

Tenn., Bristol—Plans asphalt paving Ashe St. $25,000 to $30,000. L. H. Gammon, mayor.

Ky., Louisville—Bd. Pub. Wks. plans resurfacing with concrete or bituminous macadam Chestnut St. between 2nd and 3rd Sts. A. A. Kreiger, city engr.

O., Canton—Bd. Control plans paving 7 blocks Smith Ave. N. W., 40 to 50 ft., $50,000-$75,000, about 1 mi. Cherry Ave. N. E., 60 ft., $100,000, also 6 blocks Gross Ave. N. E., 50 ft., $60,000, asphalt; repaving Cleveland Ave. N. W., 60 ft., brick, $100,000 or more; constructing Serpentine Rd., 40 ft., $150,000. W. E. Sarver, City Hall, engr.

O., Canton—Bd. Control takes bids in spring improving ½ mi. Plain St. N. E., 50 ft., asphalt, $50,000-$60,000; 6 blocks Glendale Ave., 40 ft., brick, $27,500. W. E. Sarver, City Bldg., engr.

O., Cleveland—Takes bids in spring grading, curbing and paving Alabama and Benton Courts, Buckeye and Clearaire Rds., Arcade, Adelaide, Almira, Angelus, Aspinwall, Barrington, Bartlett, Calcutta, Central, Carnegie, Cassius, Castalia, Calirdoan and Coronado Aves. R. Hoffman, City Hall, engr.

O., Cleveland—Cuyahoga Co. takes bids in spring paving Som Center Rd. to east line of Chagrin Village, brick or concrete, $83,000; Ridge Rd. (Parma Heights), brick, $96,400; road from Bedford to Tinkers Creek, $273,800, and 2.89 mi. road from west side of Maple Heights Village to east line, $309,100, both brick or asphalt; grading, curbing and brick paving Avery Rd., $315,000. F. Lander, Court House, engr.

O., Cleveland—Cuyahoga Co. takes bids in spring improving 3.5 mi. State Rd., rein.-con., $184,663; Brecksville Rd., brick, $100,-259; 2.52 mi. Miles Rd., warrenite bitulithic-asphalt, $168,888. F. Lander, Court House, engr.

O., Massillon—Plans paving and laying storm sewers in Green St. and Jarvis Ave. $125,000. C. E. Rice, City Hall, engr.

O., New Philadelphia — Tuscarawas Co. plans improving 3 mi. Stonecreek-New Comerstown Rd., 20 ft., $200,000; 3.52 mi. Park Valley Rd., Mill and Rush Twps., 20 ft. $150,000-$200,000.

O., Ravenna—Portage Co. takes bids in spring improving 2 mi. Brady Lake Rd., 20 ft. $210,000. Franklin Twp. will pay 30%, County 30% and property owners 40% of cost.

Ind., Evansville — Plans paving Green River Rd. and Washington Ave., probably sheet asphalt. W. Elmendors, mayor.

Ill., Durand—Plans grading and rein.-con. paving 4,900 ft. Main and Howard Sts. $50,000. A. R. Carter, Court House, Rockford, engr.

Ill., South Jacksonville (Jacksonville P. O.)—Plans grading and paving with asphalt on concrete, 6,000 ft. various streets, 30 ft. $64,000. Caldwell Eng. Co., Ayres Bank Bldg., Jacksonville, engrs.

Wisconsin—Following are county appropriations for road work during 1924. Vilas Co. $32,723, W. F. Hunter, Eagle River, comr.; Oneida Co. $40,698, B. L. Horr, Rhinelander, comr.; La Crosse Co. $280,-059, J. Hintgen, La Crosse, comr.; Forest Co. $69,168, B. McGinley, Crandon, comr.

Wisconsin—County Bds. of counties in Div. 2 authorized following gravel road construction. Fond du Lac Co. 31.8 mi. County Trunks D, W, Q, V and H, G. W. Treleven, Fond du Lac, comr.; Kenosha Co., 25.5 mi. County Trunks B, O, J, F, K, E, N, and H, also on Silver Lake—Wilmot Rd. and North County Line, J. Herzog, Kenosha, comr.; Ozankee Co., 19.1 mi. County Trunks A, M, D, B and K also in village of Waubeka, W. J. Ubbink, Port Washington, comr.; Racine Co., 15.6 mi. County Trunks E, J, F and G also County Line Sect. 33, W. A. Bechthold, Racine, comr.; Sheboygan Co. 29 mi. County Trunks A, B, C, J and N, also State Trunk Highway 57, G. W. Ubbelohde, Sheboygan, comr.; Washington Co. 20.2 mi. County Trunks Z, P and Q, C. Johnson, Brenham, co. comr.; Waukesha Co. 35.1 mi. County Trunks J, CC, G, H, F and E, also Road west line Sect. 12-13-24, C. J. Hahn, Waukesha, comr.

Wis., Ladysmith—Plans paving 7 blocks. Bids will be asked on various types, incl. concrete, $33,000. C. C. Kile, city clk. Engineer not selected.

Ia., Belle Plain—Plans paving 12 blocks or more. $40,000. E. N. Brown, clk.

Ia., Clinton — Clinton Co. plans paving 1.586 mi. Federal Aid Project 205, $52,519. Federal Government pays $23,700 toward cost. Ia. Hy. Comn., Ames, engrs.

South Dakota—State Hy. Comn., Pierre, plans to grade 13 mi. Federal Aid Project 171, Roberts Co. Will let contract in early spring. F. D. Hudgins, state engr.

S. D., Huron—Plans paving 32 ft. strip in center and graveling 14 ft. strip on each side of East 3rd St. from Iowa Ave. to Lawn Ridge. $30,000. T. K. White, city engr.

Missouri—State Hy. Dept., Jefferson City, plans grading 19.5 mi. roads in Knox, Putnam, Jasper, Dent, Washington and Ralls Counties; also bridges over Long Branch, Cooper Co., over Crooked Creek, Monroe Co., over stream, Jasper Co., and over stream, Texas Co. B. H. Piepmeier, state highway engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, rejected bids Dec. 26, granite curbing and refined asphalt or warrenite paving 9,095 sq.yd. Laclede Ave. $66,000. Noted Jan. 3.

Mo., Sweet Springs—See "Waterworks."

Ark., Fayetteville—Had plans prepared paving with 2 in. asphaltic concrete on broken rock 2,000 sq.yd. in East Center St. Impvt. Dist., 6,500 sq.yd. in South College Ave. Impvt. Dist., 4,000 sq.yd. in Annex 2 to West Lafayette Impvt. Dist., 5,000 sq.yd. in Annex 1 to University Impvt. Dist. 1, 6,500 sq.yd. in Annex 1 to Monte Nord Impvt. Dist., 5,000 sq.yd. in Annex 1 to West Lafayette Impvt. Dist.; asphaltic concrete resurfacing 8,000 sq.yd. in Wall St. Impvt. Dist.; asphaltic concrete on concrete 20,000 sq.yd. in University Impvt. Dist.

Ark., Hot Springs—Preparing plans street improvements in various districts, 25,500 sq. yd. concrete work. C. Smith, city engr.

Ark., Hot Springs—Had plans prepared rein.-con. paving 7,000 sq.yd. in Impvt. Dist. 70, 15,000 sq.yd. in Impvt. Dist. 71, 7,000 sq.yd. in Impvt. Dist. 72, and 3,500 sq.yd. in Impvt. Dist. 73.

Ark., Pine Bluff—Plans grading and rein.-con. surfacing 30 blocks East 6th, East 7th, Utah, East 8th, 7th, 8th and Florida Sts.

Tex., Anderson—Grimes Co. election Jan. 12, to vote on $200,000 bonds for highway improvements in Rd. Dist. 3. R. M. West, co. judge.

Tex., Baird—Callahan Co. making plans bituminous macadam paving 23.3 mi. highway, 16 ft., $374,250; 9.7 mi. Bankhead Highway, State Highway 1, 16 ft., $182,750. T. H. Webb, co. engr.

Tex., Beaumont—Making plans paving Emma St., 1 in. asphalt on 5 in. concrete, $25,000. W. L. Fulweiler, city engr.

Tex., Coleman—City, c/o G. Woodward, plans asphalt paving 8 blocks Main St., Square, etc. $75,000. Engineer not announced.

Tex., Colorado—Mitchell Co. defeated $650,000 bonds for paving Bankhead Highway and lateral roads. F. F. Du Bose, co. engr. Noted Dec. 6.

Tex., Crockett—Rd. Dist. 1, Houston Co., defeated $80,000 bonds for highway improvements. Noted Dec. 6.

Tex., Crockett—Houston Co. election Jan. 22, to vote on $240,000 bonds, $144,000 of which will be used for hard surfacing highways, remaining $96,000 to retire present bonds. L. Moore, co. judge.

Streets and Roads (Continued)

Tex., Denison—Having plans prepared miscellaneous street paving, water main and sewer extensions. $175,000. D. C. Lipscomb, city engr.

Tex., Gonzales—Gonzales Co. defeated $125,000 bonds for highway improvements. Will hold new election later. This corrects report in Jan. 3 issue.

Tex., Goose Creek—Voted $100,000 bonds permanent paving various streets. Address Mayor.

Tex., Harrold—Comrs. Precinct 4 Harrold Rd. Dist. plan election Feb. 2, to vote on $150,000 bonds paving 8 mi. Colorado-Gulf Highway, Wilbarger Co. J. B. Nabors, Vernon, co. engr.

Tex., Houston—Making plans widening and paving Walker St. from Austin St. to Sam Houston Park. bituminous. $25,000. J. C. McVea, city engr.

Tex., Houston—Harris Co. had plans prepared paving Washington Ave. $50,000. Howe & Wise, co. engrs.

Tex., Huntsville—Making plans paving 1 mi. Burton and Tyler Sts., concrete, bituminous or brick. $25,000.

Tex., Karnes City—Karnes Co. making plans improving 9 mi. highway, 16 ft. $125,000. O. N. Powell, Kennedy, engr.

Tex., Laredo—Webb Co. had plans prepared and soon takes bids reshouldering, widening base from 16-18 ft. and bituminous topping 8.76 mi. State Highway 2, north from here, $50,200, 9.88 mi. State Highway 2 from Cactus to La Salle Co. Line, $83,000; 8.16 mi. State Highway 2 from point 9 mi. north of here to Webb, $63,000, 8.75 mi. State Highway 2 between Webb and Cactus, $73,250. T. E. Huffman, co. engr.

Tex., Linden—Cass Co. defeated $1,000,000 bonds for highway improvements. New election planned. F. E. Hess, Medical Arts Bldg., Dallas, co. engr.

Tex., Paducah—Cattle Co. election Jan. 12, to vote on $50,000 bonds, grading and gravel surfacing State Highway 4. Cost approximately $100,000. J. M. Whatley, co. judge. Engineer not selected.

Tex., Palo Pinto—Palo Pinto Co. had plans prepared and soon takes bids grading and surfacing with bituminous macadam 4.97 mi. State Highway 24, 18 ft. $100,260. G. W. Courter, co. engr.

Tex., San Antonio—Preparing plans widening Market and various other streets. $200,000. I. Ewig, city engr.

Tex., Seymour—Baylor Co. voted $500,000 bonds for improving 90 mi. state highways and county roads, 18 ft. State and Federal aid $1,000,000. E. Tibbets, co. judge. Noted Dec. 13.

Tex., Marshall—Having plans prepared paving 11 streets, bituminous or brick. $50,000. Elrod Eng. Co., 3125 Elm St., Dallas, engrs.

Tex., Uvalde—Uvalde Co. rejected bids gravel surfacing Rock Springs Rd. $148,000. M. B. Hodges, co. engr. Noted Dec. 6.

Tex., Zenith—Jan. 15, to vote on $25,000 bonds for street paving. A. F. Hughes, mayor.

Okla., Hennessey—Voted $93,500 bonds grading and concrete paving 11 blocks Main St., 36 to 76 ft. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Nov. 15.

Colo., Denver—Plans asphalt paving 12 blocks in each of following districts, East Denver Paving Dists. 10, 11, 12, 13 and 14. Capitol Hill Paving Dists. 3, 4, 5, 6, 7, 10 and 11, West 44th Ave. Paving Dist. 2. $568,823. A. K. Vickery, City Hall, engr.

Idaho—Highway Bureau, Boise, takes bids about Mar. 1, improving 8.28 mi. highway in Cassia Co. $65,000. H. W. Gregory, dir.

Washington—State Hy. Dept., Olympia, plans to expend $1,000,000, improving Inland Empire Highway. Plans include paving 10 mi. between Spokane and Colfax, $300,000. J. Allen, state highway engr.

Calif., Los Angeles — Voted $430,000 bonds for 10 mi. street paving in Westgate Dist. R. Dominguez, city clk. Noted Nov. 29.

Calif., Los Angeles—Los Angeles Co. had plans prepared improving portions of Las Flores Canyon and Hume Rds., incl. 91,600 cu.yd. earth excav., 21,418 lin.ft. shaping roadbed, 38,076 sq.yd. oil and sand surface; Washington Blvd. 6,517 sq.ft. gutters, 4,235 sq.ft. walks, 5,125 sq.yd. concrete base, 5,126 sq.yd. asphalt concrete top; portions Pacific, Hanford and Barbara Sts., etc., 69,422 cu.yd. excav. 25,791 lin. ft. concrete curb, 104,066 sq.ft. walks, 452,000 sq.ft. oil and screenings surface. Noted Dec. 27.

Calif., Oroville—Rejected bids improving Pine St., et al., 4,100 cu.yd. excav., 170,100 sq.ft. 2½ in. asphaltic concrete base with 1½ in. warrenite bituminous surface, 1,100 lin.ft. curb, 1,100 sq.ft. concrete gutter, etc. Noted Jan. 3.

Calif., Salinas—Had plans prepared paving portion Main St., incl. removal 110,980 sq.ft. bituminous pavement, etc., 110,980 sq.ft. 1½ in. warrenite bituminous surface pavement; portions North Main and Market Sts., 55,326 sq.ft. grading, 55,326 sq.ft. warrenite bituminous surface pavement, 500 tons base rock, etc. To exceed $35,000.

Calif., San Diego — Common Council plans to improve Union, Curlew and Brant Sts., incl. 175,549 sq.ft. paving, 1½ in. sheet asphalt wearing surface on 2½ in. bituminous base, 5,809 sq.ft. cement concrete sidewalk, etc.; Burlingame Dr., Maple, Laurel and 32nd Sts., San Marcos, Dulzura and Pamo Aves., 188,079.84 sq.ft. paving, 1½ in. sheet asphalt wearing surface on 4 in. Portland cement concrete base, 2,344 sq.ft. cement concrete sidewalk, etc. F. A. Rhodes, city engr.

Ont., Hamilton—Plans 7,000 sq.yd. asphalt on concrete, and 5,000 lin.ft. concrete curbs and gutters on Orchard Hill, Cottage and Dunsmore Ave., $30,000; 20,000 sq.qd. asphalt on concrete, 10,000 lin.ft. concrete curbs and gutters on Main St., $83,000. W. L. McFaul, city engr.

Ont., Hamilton—Preparing plans paving Main St., Kenilworth and Sanford Aves., asphalt on concrete. $273,000. W. L. McFaul, city engr.

Ont., London—Plans concrete and asphalt pavements on Wharncliffe Rd., Oxford and Dundas Sts. $60,000. Prices wanted on all materials. W. A. Near, city engr.

Ont., Niagara Falls—Plans 1½ mi. asphalt pavement on Victoria Ave., 30,000 sq.yd. asphalt, 16,000 lin.ft. concrete curbs and gutters. $120,000. T. S. Scott, city engr.

Ont., North Bay—Having surveys made 15,000 sq.yd. asphalt, concrete or bituminous concrete pavements on Fisher St. $60,000. W. Mackie, city engr.

Ont., Port Perry—Having plans prepared 15,000 sq.yd. tar bound macadam roadway on main streets. $30,000. D. J. Kean, Whitby, engr.

Ont., Stratford — Plans concrete pavements on Nile, Nelson, Elm and Ash Sts. $55,000. A. B. Manson, city engr.

Ont., Toronto—Having plans prepared asphaltic concrete pavements on Austin Terrace $5,835, Nelles Ave. $7,436, Norwood Terrace $9,701, Riverdale Ave. $13,130, Rosenthorn Ave. $12,436, St. Johns Rd. $2,930, Cluny Dr. $5,532; asphalt pavements on concrete on Breadalbane St. $11,157, Cluny Ave. $4,344, Front St. $18,199, Glen Rd. $13,131, Hayden St. $16,241, Isabella St. $19,682, Poplar Plains Crescent $8,821, Powell Ave. $5,532, St. Albans St. $24,430, St. Joseph St. $14,039, St. Mary St. $18,871, Wood St. $5,260; asphalt surface on Front St. E. $18,172; concrete sidewalks on Brookdale Ave. $3,851, Indian Grove $2,114, Riverdale Ave. $2,424, Rosethorn Ave. $5,152, West Lynn Ave. $1,091, Clendanan Ave. $5,678. R. C. Harris, city engr.

Ont., Toronto—Plans to repave Weston and Davenport Rds., Dundas and Keele Sts., 40,000 sq.yd. asphalt on concrete, $175,000, also grading Norway, Belfair and Wheeler Aves., $175,000. R. C. Harris, city engr.

BIDS DESIRED

N. Y., Long Island City—Jan. 14, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., curbing, laying sidewalks, etc., in Chauncey St., etc.; grading, curbing and laying sidewalks on 77th and 90th Sts.; permanent paving Chauncey and 77th Sts., etc.

N. Y., Tonawanda—Jan. 19, by Town Bd. at Village Hall, Kenmore, concrete paving, etc. Elmwood Ave. G. C. Diehl, 577 Ellicott Sq., Buffalo, town engr.; adv. E. N.-R. Jan. 10.

N. Y., Waterloo—Jan. 25, by Bd. Village Trustees, paving certain streets, bituminous macadam, penetration method. A. H. Moore, village clk.; adv. E. N.-R. Jan. 10. Noted Dec. 13.

New Jersey—Jan. 28, by State Hy. Dept., Trenton, paving Route 5, Sect. 11, Delaware-Belvidere Rd., Warren Co., reinforced cement concrete. A. L. Grover, secy.; adv. E. N.-R. Jan. 10.

Virginia—Jan. 29, at offices of State Hy. Dept., 413 North 10th St., Richmond, constructing 5 mi. Project F-118-A, Roanoke Co., 5 mi. Project F-118-E, Franklin Co., 4.9 mi. Project F-166-C, 9.5 mi. Project F-188, 5.9 mi. Project S-297, Albemarle Co., 5.1 mi. Project S-317, Mecklenburg Co., 4 mi. Project F-321, Frederick Co., 6.6 mi. Project S-323, Charlotte Co., 13.5 mi. Project S-326, Nansemond Co., 2 mi. Project S-327, Russel Co., 3 mi. Project S-349, Gloucester Co., 12.2 mi. Project S-350, Nansemond Co.; bridge over Little Otter River, Project S-143-C, Bedford Co. H. G. Shirley, chn.

W. Va., Charleston—Feb. 1, by Kanawha Co. grading 7 mi. road. R. N. Montgomery, clk.; adv. E. N.-R. Jan. 10.

Florida—Jan. 15, by State Hy. Dept., Tallahassee, hard surfacing; plain cement concrete, asphaltic concrete, sheet asphalt and bituminous macadam on 8 in. rock base, concrete curbs and gutters 7.3 mi., Project 572; 9.1 mi. Project 594 and 5.1 mi. Project 607, Bradford Co. J. L. Cresap, state highway engr.

Fla., Tampa—Jan. 15, by City Comn., grading, paving and curbing Cayuga, 26th, Buffalo and Jefferson Sts., incl. 16,260 sq. yd. 2½ in. asphalt blocks and 11,550 ft. granite curbing. $45,000. R. D. Martin, City Hall, engr.

Ala., Parrish—Receiving bids and open same about Feb. 5, grading, asphalt paving, building concrete gutters and cement sidewalks, etc., on 6 blocks Main St., 50 ft. $50,000.

Ala., Talladego—Jan. 15 by M. R. Joiner, pres. city comn., grading, curbing, guttering, sidewalks, storm and sanitary sewers and 17,000 yd. paving plain and rein.-con., Warrenite bitulithic, asphaltic concrete or vitr. brick. R. L. Totten, B-M Bldg., Birmingham, engr.

Mississippi—Jan. 23, by State Hy. Dept., Jackson, grading, gravel surfacing and bridging, etc., 12.026 mi. road, Montgomery Co. $172,839. H. C. Dietzer, state highway engr.

La., Alexandria—Jan. 22, by Police Jury, Rapides Co., grading and concrete paving 1.25 mi. Glenmore-Westport Highway. W. H. Sylvester, Alexandria, engr.

Wis., Genoa Junction—Jan. 18, by T. E. Watson, village clk., rein.-con. paving 8,531 sq.yd. Walworth and Freeman Sts., incl. 7,757 lin.ft. concrete curbs and gutters, $25,000. H. J. Peters, c/o Court House, Elkhorn, engr.

Ia., New Hampton — Jan. 22, by S. L. Parker, city clk., approximately 40,000 sq. yd. paving. C. L. Pillsbury Co., 1200 2d Ave. S., Minneapolis, Minn., engrs. $140,000. Noted Oct. 25.

Ark., Clarksville—Jan. 17, by D. W. Dunlap, secy. Bd. Impvt. Paving Dist. 3, paving, storm sewers, curbs and gutters incl. 4,300 cu.yd. earth excav., etc., Alternate A 13,860 sq.yd. 2 in. asphaltic concrete paving Topeka mix on 4 in. concrete or 2 in. Topeka mix on 5 in. concrete, 11,200 lin.ft. straight curb and gutter, 1,180 ft. straight curb. Alternate B, 14,070 sq.yd. 6 in. plain concrete paving, 11,200 ft. concrete curb and gutter, 1,280 ft. concrete curb. Alternate C, 17,180 sq.yd. 6 in. vibrolithic concrete with 6 in. integral curb. W. L. Winters, 311-312 Merchants Natl. Bank Bldg., Ft. Smith, engr.

Tex., Amarillo—Jan. 18, by S. B. Motlow, judge Potter Co., grading and gravel surfacing 6.06 mi. State Highway 33. Federal Aid Project 421, 18 ft. $76,536. O. A. Seward, co. engr. Noted Dec. 20.

Tex., Uvalde—Jan. 29, by H. C. King, judge Uvalde Co, grading and gravel surfacing 5.88 mi. State Highway 3, Federal Aid Project 360-A, 18 ft., $89,420 incl. bituminous topping which will be let later. Gravel will be furnished by county. Noted Dec. 20.

Washington—Jan. 22, by J. Allen, state highway engr., Olympia, clearing 10.1 mi. Olympic Highway, 60 ft., from Luneu Creek westerly, Jefferson and Grays Harbor Counties, and 22.4 mi. from Hoh River to north line of Indian Reservation at Quinault, Jefferson Co.; crushed rock surfacing 10 mi. Inland Empire Highway from Spangle northerly, Spokane Co.

Washington — Mar. 11, by State Hy. Comn., Olympia, grading 4 mi. Pacific Highway from Marysville to Everett, Snohomish Co., 8 mi. Navy Yard Highway from Port Orchard to Gig Harbor, Kitsap Co., and 7 mi. Inland Empire Highway from Waitsburg to Dayton, Columbia Co.; paving 5 mi. Olympic Highway from Elma to McCleary, Grays Harbor Co.; concrete paving 10.6 mi. Olympic Highway from Perry Creek north, Thurston and Grays Harbor Counties; 14.3 mi. Everett-Seattle Highway extension of Pacific Highway, King and Snohomish Counties. J. Allen, state highway engr. Noted Dec. 6.

California—Jan. 21, by State Hy. Comn., Sacramento, grading 15.1 mi. and paving with Portland cement concrete 9.8 mi. between south boundary and Camarillo, Ventura Co.

Calif., La Jolla—La Jolla Properties Co., Inc., 655 Spreckels Bldg., San Diego, receiving bids improving streets in Hermosa Dist., incl. grading, paving, laying c.i. pipe culverts, etc., concrete and corrugated pipe lines, etc., installing complete sewerage system with disposal plant. To exceed $125,000.

Streets and Roads (Continued)

Calif., Newport Beach—Jan. 21, by City Trustees, improving Ocean Blvd., et al., incl. 91,000 sq.ft. clay and gravel surface, 152,000 sq.ft. of 6 in. concrete pavement, 201,000 sq.ft. of 8 in. concrete pavement, curbs, walks, etc. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Calif., San Diego — Jan. 21, by A. H. Wright, city clk., improving Reynard Way, State and Goldfinch Sts., 40,066 sq.ft. paving, 2 in. sheet asphalt on 4 in. cement concrete base, 144,738 sq.ft. paving, 5 in. cement concrete, etc.; 25th and Crosby Sts., 321,382 sq.ft. paving, 1½ in. asphalt concrete wearing surface, 2½ in. bituminous base, etc.; Granada Ave., 29th, Dale and Palm Sts., also alley in Blk. 1, Blairs Highlands, 215,143 sq.ft. paving, 1½ in. sheet asphalt wearing surface on 2½ in. bituminous base, 9,581 sq.ft. paving, 4 in. cement concrete, 1,071 lin.ft. cement concrete curb, 1,103 sq.ft. cement concrete sidewalk, etc. F. A. Rhodes, city engr. Noted Nov. 15 and 29.

BIDS RECEIVED

N. Y., Buffalo—Commissioner Pub. Wks., Municipal Bldg., Dec. 21, paving with (a) asphalt (b) brick (1) Barnard St. (2) Darien Pl. (3) Josephine St. (4) Nottingham Terrace (5) Stockbridge Ave. (6) Wilbury Pl., from Rock Asphalt & Constr. Co., Morgan Bldg., (a1) $19,233 (a2) $4,420 (a3) $15,175 (a4) $57,439 (a6) $21,554; Erie Contg. Co., Morgan Bldg., (b1) $20,484 (b2) $5,052 (b3) $16,250 (b5) $40,914; H. P. Burgard Co., Fillmore Ave., (a2) $4,420 (a5) $40,550. Noted Dec. 13.

Virginia—State Hy. Dept., Richmond, constructing 5.2 mi. Project F-295-C, Henrico Co., inc. 54,797 sq.yd. pavement, from L. Colbert, Fredericksburg, $157,794, McGuire & Rolfe, Inc., Richmond, $162,288 alternate $150,177; grading 1.6 mi. Project S-293-C, Giles Co., from Warden Constr. Co., Pulaski, $20,649; concrete road and bridges 12.3 mi. Project S-279, Norfolk Co., from Noland Clifford Co. Inc., Newport News, $455,836, bituminous macadam road 3 mi. Project S-146-C, Montgomery Co., from Pendleton Constr. Co. and Albert Bros., Shawsville, $87,831; gravel road 13 mi. Project S-322, New Kent Co., from Battershill & Goode, Charlottesville, $88,974. Noted Dec. 6.

Alabama—State Hy. Dept., Montgomery, grading and surfacing 3.818 mi. Garden City-Warrior Rd., Federal Aid Project 126, Blount and Jefferson Counties, from J. W. Gwin, Hamilton Station, Birmingham, $110,477. Noted Oct. 4.

Indiana—State Hy. Comn., Indianapolis, Jan. 2, paving 60,000 sq.yd. Federal Aid Rd. 21, Sect. B, Clark Co., concrete, from H. A. Carpenter, Cloverland, $161,734, engrs. est. $175,255; Federal Aid Rd. 65, Sect. B, Gibson Co., 61,038 sq.yd. concrete, from J. R. Feigel, Evansville, $149,361, engrs. est. $165,676; Federal Aid Rd. 67, Sect. A, Lagrange Co., 81,017 sq.yd. concrete, from R. Doaust, Defiance, O., $181,282, engrs. est. $199,903; Federal Aid Rd. 67, Sect. B, Lagrange and Elkhart Counties, 87,348 sq.yd. concrete, from C. E. Holderbaum & Co., Columbia City, $203,169, engrs. est. $229,813; Federal Aid Rd. 68, Sect. B, Parke Co., widening and grading, 78,067 cu.yd. earth excav., from P. O. Leary, Terre Haute, $46,653. Federal Aid Rd. 68, Sect. A, Parke Co., 92,727 cu.yd. earth excav., from J. A. and J. R. Wright, Clinton, $62,423, engrs. est. $78,647; Federal Aid Rd. 68, Sect. C, Parke, Co., 149,267 cu.yd. earth excav., from Ellis & Scammahorn, Rockport, $93,179, engrs. est. $110,702; Federal Aid Rd. 74, Sect. A, Booner Co., 76,755 sq.yd. concrete, Sect. B, Boone and Clinton Counties, 56,871 sq.yd. concrete, Sect. C, Clinton and Tippecanoe Counties, 86,039 sq.yd. concrete, and Sect. D, Tippecanoe Co., 80,498 sq.yd. concrete, from J. M. Snyder, Frankfort, $155,938, $112,955, $158,333 and $152,206 respectively, engrs. ests. $178,072, $127,219, $201,048 and $178,389. Noted Dec. 20.

Mo., North Kansas City—M. H. Raming, purch. agt., City Hall, Kansas City, grading for railroad siding about ¾ mi. long, relocated electric railroad and highway about ½ mi. long, incl 16 ft. span rein.-con. highway bridge, 18 ft., north of here, from Spitcaufsky Bros., Kansas City, $342,225. Noted Dec. 20.

Tex., Corpus Christi—Nueces Co. grading and concrete surfacing 10.09 mi. State Highway 12, Federal Aid Project 340, 18 ft., from Smith Bros., Inc., Amer. Natl. Exch. Bank Bldg., Dallas, $288,062. Noted Dec. 6.

Tex., Hemphill—Sabine Co. grading and gravel surfacing and bridging (a) timber pile trestles, (b) concrete pile trestles, on 14.69 mi. State Highway 8, Federal Aid Project 327-B, 12 ft., from George & Kerr, Lufkin, (a) $80,425 (b) $105,119. Noted Dec. 6.

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	Number of items published			
	Bids Desired		Proposed Work	
	1923	1922	1923	1922
Water-Works	569	490	1,132	713
Sewers	510	487	802	642
Bridges	374	472	457	406
Waste Disposal	30	17	42	33
Dams	26	24	80	57
Railways	21	13	180	74
Excavation & Dredging	188	164	232	215
Streets & Roads	2,163	2,098	3,098	2,184
Industrial Work	567	530	2,628	1,789
Buildings	1,548	1,510	4,861	3,749
Federal Gov't Work	483	469	272	262
Unclassified	657	632	919	668
	7,136	6,906	14,703	10,792

In addition to 7,136 jobs on which bids were desired and 14,703 items on proposed work, we published 2,278 reports of bids received and 8,900 announcements of contracts awarded.

A total for 1923 of.....33,017 reports
Against the 1922 record of 27,515 reports
A gain of..... 5,502 reports

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Streets and Roads (Continued)

Tex., La Grange—Fayette Co. grading and gravel surfacing 5.84 mi. State Highway 3-B, Federal Aid Project 285, 573 cu. yd. concrete, 43,050 cu.yd. roadway, 26,583 cu.yd. borrow, 4,320 cu.yd. loose and 12,090 cu.yd. solid rock excav., 41,772 lb. reinforcing, etc., from W. H. Davis, 518 Burnett St., San Antonio, $96,209; 17,571 cu.yd. gravel to be furnished by county. Engrs. est. $99,822. Noted Dec. 13.

Calif., Glendale—City, improving Sycamore Canyon Rd., California Ave., etc., 758,000 sq.ft. grade, 16,750 sq.ft. B curb, 32,480 sq.ft. concrete gutter, 476,000 sq.ft. asphaltic concrete base with 1½ in. National surface, three culverts and water piping (latter item, about $13,000), from Thompson & Heuser, Loew State Bldg., Los Angeles, $194,124.

Calif., Los Angeles—Bd. Pub. Wks., grading Alvarado St. between Glendale and Ocean View Aves., from W. Liddington, 420 East 60th St., lump sum grading $14,990. 28,754 ft. asphalt pavement $0.30, 447,856 ft. 7 in. concrete pavement $0.265, 18,559 ft. of 6 in. concrete pavement $0.23 8,000 ft. bituminous pavement $0.12, 870 ft. curb $0.70, 485 ft. gutter $0.32, 2,142 ft. house sewers $1.40, storm drain $350, sanitary sewer $2,478. Noted Dec. 20.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Div. Highways, Boston, paving 15,770 ft. highway, 18 ft., in Norwood and Walpole, rein.-con., to Alco Contg. Co., 73 Tremont St., Boston, $203,130; 12,712 ft., 18 ft., in Lenox, rein.-con., to C. W. Blakeslee & Sons, 58 Waverly St., New Haven, Conn., $154,017; 5,000 ft., 18 ft., in Plymouth, bituminous macadam, to R. H. Newell Co., Main St., Uxbridge, $47,595; 34,237 ft. in Nantucket, resurfacing and widening, bituminous concrete, to M. M. Roach, East Bridgewater, $100,115. Noted Dec. 13.

Conn., New Britain—State Bd. Educ., Hartford, grading and laying concrete walks around new Normal School, here, to Battaglia & Leardi, 737 West Main St. Engrs. est. $30,000. Noted Dec. 6.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, asphalt repaving Throop Ave. and Empire Blvd., to Sicilian Asphalt Paving Co., 41 Park Row, New York, $22,024 and $29,725 respectively. Noted Dec. 6.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, repaving Liberty Ave., permanent asphalt on 6 in. concrete, to Borough Asphalt Co., 1301 Metropolitan Ave., $82,270. Noted Jan. 3.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, etc., for width of 60 ft. centrally located Neill Ave. from Bronxdale to Matthews Aves., for its full width from Matthews to Paulding Aves., to I. F. Cavaluzzo, 1538 Walton Ave., $31,350. Noted Jan. 3.

Pennsylvania—State Hy. Dept., Harrisburg, constructing 13,453 ft. Route 187 Sect. 4A, Westmoreland Co., and 25,693 ft. Route 187 Sect. 4B, Westmoreland Co., to Corrado & Galliardi, Connellsville, $146,702 and $261,844 respectively; 18,421 ft. Route 54, Indiana Co., to M. Bennett & Sons, Indiana, $201,989; 16,948 ft. Route 109, Application 2678 and 2710, Greene Co., to S. Gamble Co., Glass St., Carnegie, $227,097; 1,805 ft. Route 180, Delaware Co., to Juniata Co., Empire Bldg., Phila., $33,124; 7,424 ft. Route 1, Application 2136 Northumberland Co., to Reitz Bros., Sunbury, $52,024; 4,151 ft. Application 4151, Jefferson Co., to G. I. Thompson Co., Clearfield, $39,710; 10,530 ft. Route 204, Beaver Co., to W. S. Morrison, New Brighton, $119,816. Noted Dec. 20.

Pa., Waynesburg—Greene Co., 11,050 ft. rein.-con. on Holbrook Rd., Route 111, to E. E. Morris, Waynesburg, $165,414; 5,950 ft. Pursley Creek Rd., bituminous surface or asphalt, to Reed & Moore, Waynesburg, $71,111.

W. Va., Logan—Logan Co., grading 5 mi. road from Rum Creek to Wilburn, to E. K. Newell Constr. Co., Maysville, Ky., $34,000; 3 mi. road from Henlawson to Pecks Mill, to P. Mino Hi, Logan, $28,000.

W. Va., Wayne—Comrs. Wayne Co., grading 4 mi. road from Wayne to Kenova, to Billup & Wellman, Huntington, $39,500.

Fla., Miami — City, 15,486 sq.yd. bituminous macadam paving and grading, 21,844 lin.ft., curbs and gutters, to J. J. Quinn, Miami, $27,055. Noted Dec. 6.

Fla., Tampa—Hillsborough Co., to Gone Bros., Tampa, grading and paving with 2½ in. asphalt blocks 6,450 lin.ft. Lacon, San Juan Ferdinand, Algoma, Dunwoodie, Ravislow, Aquacoome and Mardotum Rds., 20 ft., 11,480 sq.yd. wood block, engrs. est. $28,000, 9,100 ft. Roosevelt Rd., 24 ft., 20,250 sq.yd. asphalt blocks, engrs. est. $50,000 and 2,375 lin.ft. San Pedro, Obispo and Grandad Rds., 20 ft., 13,126 sq.yd. asphalt block, engrs. est. $30,000. Unit prices on all projects as follows: earthwork $0.49 per cu.yd., concrete curb and gutter, $1.24 per lin.ft., rock base $0.84 sq.yd., 2½ in. asphalt blocks $2.29 sq.yd., 4 in. subdrain $0.59 lin.ft., 6 in. subdrain $0.62 lin.ft. Noted Dec. 18.

Fla., Vero—Grading and paving 8 mi., asphalt treated macadam, to H. L. Clark & Sons, Vero, $228,000.

Alabama—State Hy. Dept., Montgomery, grading and graveling 8.3 mi. highway 20 ft., from Brown Station to Uniontown, Perry Co., to W. C. McCoy, La Fayette, $110,781.

La., New Orleans—Bd. Port Comrs., New Court House Bldg., concrete floor slab grading and paving at Claiborne Ave. landing, to J. Reiss, Carondelet Bldg., $155,635. Noted Jan. 3.

Mississippi — State Hy. Dept., at engineers office, Jackson, concrete paving 150,000 yd. highway from Yazoo Co. line, Midnight to Belzoni, to S. A. Gano, Maison Blanche Bldg., New Orleans, La., $2.04 per yd., total $306,000.

Ky., Pikeville—Pike Co. grading 9 mi. road from The Forks to Grapevine Creek, to Eagle Constr. Co., Pikeville, est. cost $75,000. Noted Dec. 6.

Ky., Pikeville—Pike Co. grading 4½ mi. road from here to Phelps, to H. M. Waugh, Bluefield, W. Va. Est. cost $40,000.

O., Toledo—Lucas Co., Court House, concrete paving, 14,475 sq.yd. Howard Rd., 6,360 sq.yd. Richards Rd., and 13,380 sq.yd. Deveaux Park Rds., to F. Judge, Vassar Dr., $43,369, $17,428 and $44,905 respectively; 1546 sq.yd. Evens St. and 1,900 sq.yd. Macomber St., to J. Horan, Valentine Bldg., $6,173 and $8,114 respectively. Noted Dec. 13.

Ill., Duquoin—Grading and rein.-con. surfacing approximately 9,000 ft. South Washington St., etc., 30 ft., to Southern Illinois Quarry and Constr. Co., Murphysboro, $97,231.

Michigan—State Hy. Dept., Lansing, grading 4.655 mi. State Trunk Line Rd. 35-5, Sect. B-2, Marquette Co., to M. J. Bacco, Iron Mountain, 29,400 cu.yd. excav. $0.57, 452 cu.yd. 1:2:4 concrete $28, 30 cu. yd. 1:3:6 concrete, $26, etc., total $51,216.

Wyo., Cheyenne—Paving streets in Dist. 4, with 6 in. concrete base and 3 in. bituminous top, and with 6 in. base and 2 in. top, to A. H. Read Co., Omaha, Neb., $329,232. Engrs. est. $400,000.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Higgins-Wall-Dyer Constr. Co., International Life Bldg., concrete curbing and refined asphalt paving Magnolia Ave., Pearl, North Magnolia and South Magnolia Sts $27,687, St. Louis Ave. $28,656, Compton Ave. $3,917, Dewey Ave. $12,886, Ray Ave. $9,521, Keokuk Ave. $11,271, Henry St. $6,582, Lansdowne St. $25,916, Marmaduke St. $24,511, Smiley Ave. $17,632; to Granite Bituminous Paving Co., Ry. Exch. Bldg., Kingsbury St. $9,121. Noted Jan. 3.

Tex., Houston—Paving and widening McKinney Ave. from Chenevert to Belt Sts. and Terminal R.R., Uvalde rock asphalt, to Uvalde Paving Co., West Bldg., Houston, $75,942; paving Bell St. from Louisiana to Crawford Sts., warrenite bitulithic, to Gulf Bitulithic Co., Kress Bldg., $59,670. Noted Jan. 3.

Tex., McKinney—Collin Co., grading and surfacing with rein.-con. 6.19 mi. State Highway 6, Federal Aid Project 402, 18 ft., to Tibbetts Constr. Co., 209 West 8th St., Ft. Worth, $220,119. Engrs. est. $263,040. Noted Dec. 27.

Tex., Marlin—Falls Co. grading, gravel surfacing and concrete paving 1.84 mi. State Highway 2, 18 ft., to P. M. Skinner, Reiger St., Dallas, $59,684. Noted Jan. 3.

Okla., Marlow—Concrete paving 14 blocks city streets, to Stephens County Constr. Co., Marlow, $60,001.

Okla., Sapulpa—Grading and paving 6 blocks Hickory St., 6,300 sq.yd. concrete, 3,800 lin.ft. curbing, 2,400 cu.yd. excav., to Klinglesmith Constr. Co., Drumright, Okla., $30,481.

Calif., Los Angeles—Improving Hi-Point St. between Pico and Airdrome Sts., to Chalmers & Ford, H. W. Hellman Bldg., grading, (lump sum) $14,851; 153,194 sq. ft. oil and roll $0.06, 11,183 ft. curb $0.60, 23,648 sq.ft. concrete gutter, $0.32 ft., etc., total $48,500.

Calif., Los Angeles—Los Angeles Co., improving Orange and Olive Aves. 5,000 cu.yd. concrete, 175,000 lb. steel, removing 2,000 sq.ft. old pavement, 2,000 cu.yd. gravel for shoulders, to Basich Bros., 2103 West 28th St., Los Angeles, $43,295.

Calif., San Diego—Common Council, (1) improving Redwood, Spruce, 3rd and Front Sts. (2) paving 1st, 2nd and 3rd Sts., to Griffith Co., 25 14th St., (1) $21,628 (2) $55,541; (3) paving Girard St. and Coast Blvd., (4) paving Maryland St. between Madison and Vanburen, to G. I. Oxley 4430 Boundary St., (3) $35,467 (4) $20,942. Noted Jan. 3.

Calif., San Diego—Improving 24th, 25th and B Sts., 253,819 sq.ft. paving, eight 8 in. cement concrete sewer laterals, 746 lin.ft. cement concrete curbing, to Griffith Co., 25 14th St., $42,467; improving Louisiana St. between Upas and Lincoln, 139,576 sq.ft. paving with 1½ in. asphalt concrete top on 3 in. bituminous base, seven 6 in. and five 4 in. cement concrete sewer laterals, etc., to G. R. Daley, 4430 Boundary St., $26,282. Noted Dec. 27.

Calif., Stockton — C. Moreing & Sons, (owners and paving contractors), Commercial & Savings Bank Bldg., will pave streets west of Oxford St. adjoining Yosemite Lake by day labor. $175,000 to $200,000.

Industrial Works

PROPOSED WORK

Mass., Cambridge (Branch of Boston)—Factory—J. F. Linchman, 33 Edinboro St., Boston, rejected bids 5 story and basement, 100 x 150 ft., rein.-con. and brick, wood pile foundation, here. Project abandoned. Noted Dec. 20.

R. I., Cranston—Factory—Hill & Lacross, 1198 Pontiac Ave., plan large braid manufacturing mill, Reservoir Ave. Will mature in spring. Engineer and architect not selected.

Conn., Hartford—Garage and Loft—J. Rome, 59 Adams St., plans 2 or 3 story, brick and steel, plain foundation, Ann St. $55,000. F. C. Waltz, Trumbull St., archt.

Conn., Hartford—Printing, etc.—Catholic Transcript, State St., plans 3 story, 60 x 110 ft., brick and steel, plain foundation, Asylum Ave. $150,000.

Conn., Jewett City—Substation—Eastern Connecticut Power Co., Williams St., New London, plans 3 story, brick and steel, plain foundation, here. $60,000. Private plans.

Conn., New London—Storage—L. Lubchansky, 45 Howard St., takes bids about Jan. 12, 3 story, 40 x 100 ft., brick and steel, plain foundation, Howard St. $50,000. F. De Gange, 28 Ocean Ave., archt. Noted Nov. 29.

Conn., Stamford—Shed—New York, New Haven & Hartford R.R., New Haven, plans repair shed, sheet metal, plain foundation, here. $60,000. E. Gagel, ch. engr.

Conn., Torrington — Factory — Fitzgerald Mfg. Co., North Main St., plans 2 story, 110 x 200 ft., North Main St., $70,000. Private plans.

N. Y., Batavia—Plant—Western New York Utilities Co., Inc., plans power plant on 2½-3 acre site, Franklin St. H. K. Stein, supt.

N. Y., Binghamton—Factory—Cloverdale Farms Co., 60 Exchange St., plans 3 story, 60 x 100 ft. factory. $150,000 incl. equipment. Engineer and architect not announced.

N. Y., Cohoes—Plant—Cohoes Power & Light Co., 45 North Mohawk St., had plans prepared additional unit of 14,000 hp. capacity to present 40,000 hp. 4 unit hydro-electric plant. C. A. Davis, vice pres. and genl. mgr. Private plans.

N. Y., Horseheads—Shop—See "Unclassified."

N. Y., Lackawanna (Buffalo P. O.)—Garage—J. W. O'Connor plans 2 story, 150 x 200 ft., rein.-con. and brick, Ridge Rd. $50,000.

N. Y., Poughkeepsie—Plant—Ford Motor Co., Highland Park, Detroit, Mich., having plans prepared power plant, here. $250,000. Private plans.

N. J., Hutchinson Mill (Mercerville P. O.)—Pottery—T. Maddocks Sons Co., Perry St., Trenton, plans several buildings, here. $500,000.

Pa., Edgely—Power Plant—Phila. Suburban Gas & Electric Co., Washington Sq., Phila., plans large power plant, here.

Pa., Pittsburgh—Factory—Zang Lesher Corp., 5474 Penn Ave., plans 1 story, 74 x 106 ft. brick factory. $40,000. Private plans.

W. Va., McMechen — Plant — Standard Slag Co., Steubenville, O., plans cement plant, here, to exceed $40,000.

Fla., Miami—Garage—Ungar Brick Motor Co., plans 84 x 200 ft. $60,000. Pfeiffer & O'Reilly, Lemon, engrs.

Fla., South Jacksonville (Branch of Jacksonville)—Electric Light Plant—Plans to build and equip electric light plant. $125,000.

Tenn., Chattanooga—Plant—International Harvester Co. plans addition to factory, Chester St. To exceed $40,000.

Industrial Works (Continued)

Tenn., Knoxville—Garage—Clinch-Locust Garage Co. plans 2 story, 70 x 120 ft., concrete and steel, West Clinch Ave. $75,000.

Tenn., Knoxville—Plant—Stone Fizz Co. of America, 1107 Chestnut St., Chattanooga, plans 1 story, 150 x 180 ft. bottling plant, here. $50,000.

Tenn., Nashville—Foundry—Gray & Dudley Co., 222 3rd Ave., plans addition to foundry. $50,000.

Tenn., Nashville — Plant — Cumberland Presbyterian Publishing Co., plans plant on 8th Ave. $40,000.

Ky., Louisville—Foundry and Factory—Standard Sanitary Mfg. Co., 6th and A Sts., having plans prepared by Joseph & Joseph, Francis Bldg., 4 story and basement, 160 x 450 ft., rein.-con., 7th St. $750,000. Foregoing is first unit of recent plan for $1,500,000 plant. Noted Nov. 22.

Ky., Louisville—Garage and Apartment —Consolidated Realty Co., 229 5th St., plans 3 story, 60 x 100 ft., 428 West Chestnut St. $50,000.

Ky., Louisville — Warehouse — Inland Waterways Co., 316 West Jefferson St., plans 100 x 180 ft., brick, on river front. $100,000.

Ky., Louisville — Warehouse — Reynolds Tobacco Co., Swan and Kentucky Sts., plans 1 story brick, 728 South 28th St. $42,000.

O., Canton—Plant—Daily News Printing Co. plans 3 or 4 story, 67 x 200 ft., brick, concrete and steel, 5th St. and Market Ave. S. J. Cox, Dayton, owner.

O., Cincinnati—Factory—A. Nash Co., 1916 Elm St., plans rein.-con., on lot 177 x 330 ft., McMicken Ave. $1,500,000. Engineer and architect not selected.

O., Cleveland—Factory and Warehouse—Frankelite Co., c/o D. Frankel, vice-pres., 5016 Woodland Ave., having new plans prepared by A. Sogg, 319 Hippodrome Bldg., 3 story and basement, 56 x 130 ft., brick and steel, East 51st St. $75,000.

O., Cleveland—Factory and Warehouse—General Power Constr. Co., 1603 East 27th St., had plans prepared by Hadlow, Hick & Co., Finance Bldg., 1 story and basement, 60 x 87 ft., brick, 1603 East 27th St. $40,000.

Ind., Hammond—Erie R.R., 50 Church St., New York City, plans new terminal freight system, in and around Hammond. Includes new yards and 9 mi. trackage between here and Griffith, and creation of new town site for employees, etc. To exceed $50,000. R. C. Falconer, ch. engr.

Ind., Muncie—Factory—Hinde & Dauch Paper Co. plans to rebuild plant recently destroyed by fire. $40,000.

Wis., Appleton — Garage — Kurz Motor Car Co., 1107 College Ave., having plans prepared by E. A. Wettengel, 578 Pierce Ave., 2 story, 40 x 75 ft. and 40 x 50 ft., brick and concrete, plain foundation. $40,000.

Wis., Milwaukee — Factory — Milwaukee Air Power Pump Co., 8 Keefe Ave., having plans prepared by Erick Schroeder Co., engrs. and archts., 405 Bway., 1 story, 40 x 62 ft. addition, brick and timber, plain foundation. $40,000.

Wis., Milwaukee — Plant — Pittsburgh Plate Glass Co., 205 Lake St., had revised plans prepared and soon takes bids 5 story and basement, 92 x 140 ft., brick and concrete, plain foundation. $300,000. Kirchhoff & Rose, 221 Grand Ave., archts.

Wis., Watertown—Factory—Rock River Paper Co., c/o W. C. Stone, Bank of Watertown Bldg., plans 1 story, 80 x 180 ft., concrete factory, plain foundation. $40,000. Engineer and architect not selected.

Ia., Cedar Rapids—Plant and Office—Gazette Co., c/o V. Marshall, 1st Ave. and 1st St., having plans prepared 3 story and basement, 40 x 140 ft., rein.-con. brick, tile and Bedford stone, 3rd Ave. and 5th St. Est. $90,000. Private plans.

Ont., Morrisburg—See "Unclassified."

Ont., Sarnia — Plant — Dominion Alloy Steel Corp., Royal Bank Bldg., Toronto, plans 1 and 2 story, rein.-con., brick and steel, plain foundation, here. $5,000,000. R. D. Nye, 410 Royal Bank Bldg., Toronto, engr.

Alta., Edmonton—Plant—Canada Creosoting Co., 1005 Canadian Pacific Ry. Bldg., Toronto, preparing plans 60 x 120 ft. concrete and steel plant. $150,000. Private plans.

Wis., Racine—Foundry—Belle City Malleable Iron Co., Kewaunee St., had plans prepared by P. M. Adams, archt., c/o owner, 1 story, 117 x 300 ft., second unit of foundry, brick and steel. Noted Nov. 15.

Minn., Duluth—Plant—Dominion Tar & Chemical Co., 171 St. James St., Montreal, Quebec, plans saturation plant at foot of 59th Ave. W., here. $100,000. J. Buchanan, c/o owner, engr.

Minn., Owatonna — Plant — City having plans prepared by Jacobson & Jacobson, 125 Auditorium Bldg., Minneapolis, power and central heating plants. $350,000. A. L. Mullergren, Gates Bldg., Kansas City, Mo., engrs.

Minn., St. Paul—Garage—Piper & Drake Co., 809 1st Natl. Soo Line Bldg., having plans prepared by A. M. Lindell, 319 Meyers Arcade, Minneapolis, 1 story, brick and concrete, Smith Ave. and Chestnut St. $75,000.

Tex., Dallas—Plant—Guiberson Corp., Pennsylvania St., plans oil well machinery manufacturing plant, on Forest Ave. along tracks Missouri, Kansas & Texas R.R. $50,000. Engineer not announced.

Tex., Dallas—Plant—Leachmans Laundry, South Harwood and Hickory Sts., having plans prepared by C. D. Hill & Co., Sumpter Bldg., 1 story, brick and concrete addition. $45,000 incl. machinery.

Tex., Omaha—Mill—H. M. Farrier plans 10,000 spindle cotton mill. $100,000.

Colo., Denver—Broadcasting Station—General Electric Co., River Rd., Schenectady, N. Y., authorized construction 250 x 300 ft. broadcasting station, equipment to include 2 steel towers 150 ft. high to support aerial, 2 story, 55 x 60 ft. studio building, brick and 1 story, 25 x 70 ft. power plant, brick, here. Bids for erection of towers, and construction 2 buildings incl. steel, will probably be received shortly by H. D. Randall, United States Natl. Bank Bldg., dist. mgr.

Calif., Azusa—Paramount Motors Corp. plans factory, here. To exceed $1,000,000. F. S. Lack, California Bank Bldg., Los Angeles, pres.

Calif., Fresno — Plants — Benham Ice Cream Co., 1420 H St., plans 2 plants in San Joaquin valley. To exceed $40,000.

Calif., Los Angeles—Factory—Los Angeles Soap Co., 633 East 1st St., having plans prepared by Morgan, Walls & Clements, Van Nuys Bldg., 4 story, 130 x 130 ft., rein.-con. factory. $175,000.

Calif., Los Angeles—Factory—Commercial Fixture Co., 914 South Alameda St., plans factory. $50,000.

Calif., Los Angeles—Garage—K. O'Mara, c/o A. C. Martin, archt., Higgins Bldg., having plans prepared 3 story, 60 x 150 ft., rein.-con., Grand Ave.

Calif., Los Angeles—Printing Plant—Evening Herald Publishing Co., 136 South Bway., had plans prepared by Morgan, Walls, Clements, Van Nuys Bldg., 3 story and part basement, 100 x 200 x 282 ft. rein.-con. and brick, Trenton St.

Calif., Marysville — Garage, Warehouse and Shop—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, plans garages, shops, warehouses, etc., on A St., here. To exceed $40,000. Private plans.

Calif., Oakland—Warehouse—Barrett & Hilp, 918 Harrison St., San Francisco, having plans prepared by Schirmer-Bugbee Co., Thayer Bldg., 4 story and basement, fireproof, downtown section. $65,000.

Calif., Sacramento—Car Barns and Machine Shops—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, plans car barns and machine shops, 28th and M Sts., here. $100,000. Private plans.

Calif., San Francisco—Garage—Cowell Estate Co., 2 Market St., having plans prepared by H. Meyers, Kohl Bldg., 3 story and basement, rein.-con., Embarcadero. $130,000.

Calif., San Francisco — Laundry — L. R. Lurie, 315 Montgomery St., had plans prepared by O'Brien Bros., Inc., 315 Montgomery St., 2 story brick, 21st St. $50,000.

Calif., San Francisco — Sub-Station — Pacific Gas & Electric Co., 445 Sutter St., plans additions to various sub-stations. $275,000. Private plans.

Calif., Santa Ana—Warehouse—Richards Trucking & Warehouse Co., plans warehouse, fireproof construction. $50,000 or more.

Calif., Santa Paula—Plant—Santa Paula Citrus Assn., had plans prepared by Allison & Allison, archts., Hibernian Bldg., Los Angeles, for 1 story, 150 x 350 ft., rein.-con. $125,000 or more.

Calif. Ventura — Garage — Cerfoglio & Bogetti, c/o A. C. Martin, archt., Higgins Bldg., Los Angeles, having plans prepared 1 story and basement, 100 x 125 ft., brick.

Ont., Ft. William—Pulp Mill—Ft. William Paper Co. plans rein.-con. addition to pulp and paper mill. $3,000,000.

Ont., Hamilton—Plant—Canadian Westinghouse Co., Traders Bank Bldg., Toronto, having plans prepared by B. H. Prack, 50 Bay St., Toronto, 1 and 2 story rein.-con., brick and steel, plain foundation. $1,500,000.

Ont., Niagara Falls—Cannery—Dominion Canners Ltd., plans cannery. $40,000. Private plans.

Ont., Oshawa—Plant—Hambly Bros. plan artificial ice plant. $50,000.

Ont., Port Arthur—Paper Mill—Provincial Paper Mills, Ltd., 56 University Ave., Toronto, plans to enlarge paper mill from 20 to 40 tons per day. $200,000. Private plans.

Ont., Toronto — Garage — City having plans prepared by G. W. F. Price, city archt., City Hall, 2 story, rein.-con., brick and steel garage, plain foundation, River St. $100,000.

BIDS DESIRED

Conn., Oakville — Factory — Fletcher-Thompson, Inc., archts. and engrs., 542 Fairfield Ave., Bridgeport, taking bids 4 story, 60 x 138 ft. addition, rein.-con. and brick, plain fondation, for Autoyre Co., here. $100,000.

N. Y., Ray Brook—Cold Storage Plant—Jan. 31, by F. Erdwurn, pres. Bd. Trustees New York State Hospital for Care of Incipient Tuberculosis, Ray Brook, 2 story and basement, 44 x 109 ft., rein.-con. and steel.

Pa., Phila.—Assembly Plant—Jan. 17, by A. Kahn, archt., 1,000 Marquette Bldg., Detroit, Mich., 1 story, 301 x 1,160 ft. brick and steel, plain foundation, 63rd St. and Schuylkill River, for Ford Motor Co., Highland Park (Detroit P. O.). $5,000,000. Noted Oct. 4.

Pa., Phila.—Mill—Jan. 17, by E. A. Stopper, archt., Fuller Bldg., 2 story and basement, 66 x 105 ft., rein.-con. and brick mill, Allegheny and Boudenot Sts., for Concordia Silk Mills, Allegheny and Boudenot Sts. $100,000. Noted Dec. 27.

Pa., Pittsburgh—Plant—Phillips Mine & Mill Supply Co., 2227 Jane St., taking bids remodeling and repairing 2 story, 47 x 121 ft. plant after fire, new brick walls, steel beams and trusses, new floors, etc., South 23rd St. $100,000.

Ky., Louisville—Factory—Highway Iron Products Co., Ligonier, Ind., taking bids and opens same about Feb. 5 (extended date) 1 story, 120 x 200 ft., here. $106,000. Joseph & Joseph, Francis Bldg., archts. Noted Dec. 13.

Ky., Louisville—Plant—Ford Motor Co., Detroit, Mich., receiving bids and opens same about Jan. 12, structural steel for $1,000,000 assembly plant to be built here. To exceed $100,000. A. Kahn, Marquette Bldg., Detroit, Mich., archt.

O., Columbus—Cattle—Jan. 30, by Dept. Agriculture State Authentics, 1 story and basement, 300 x 350 ft., steel, brick and concrete, Fair Grounds. $140,000. R. S. Harsh, Ohio Hartman Bldg., archt.

O., Toledo—Bakery—Holland Bread Co., taking bids 3 story and basement, 133 x 265 ft., rein.-con. and brick, plain foundation, Summit St. $200,000. Mills, Rhine, Bellman & Nordhoff, Ohio Bldg., archts.

Ill., Duquoin—Garage—Sims Motor Car Co., 19 North Division St., receiving bids 1 story, 100 x 175 ft., brick and concrete, $40,000. T. S. Thompson, 1000 South 10th St., Carbondale, archt.

Ark., Hot Springs—Garage—M. J. Henderson, et al, c/o Arkansas Trust Co., taking bids on sub contracts for 3 story, 110 x 159 ft., rein.-con., and brick garage. $50,000. S. M. Frank, 540 Valley St., archt.

New Zealand, Wellington—Powerhouse and Plant—May 21 (extended date) by Secretary Pub. Wks. Bd., Sect. 2 power house and plant of Arapuni Electric Power Scheme; adv. E. N.-R. Jan. 10. Noted Dec. 6.

CONTRACTS AWARDED

Mass., Taunton—Dept. Pub. Wks., one 15 x 18 ft. and one 30 x 50 ft. tower for power plant, to L. M. Witherell & Son, 29 Court St., $50,695. Noted Nov. 29.

R. I., Pawtucket — Factory — Pressed Metal Co., 1 story, 110 x 265 ft., brick and steel, plain foundation, Campbell St., to Rowley Constr. Co., Central Ave. Archts. est. $115,000.

R. I., Pawtucket — Mill — Halliwell Co., Blackstone Ave., 3 story mill addition, and 1 story dyehouse, brick and timber, plain foundation, Blackstone Ave., to Cruise Constr. Co., Pawtucket. Archts. est. $40,000.

Conn., Bristol—Factory—Standard Vulcanizing & Retreading Co., 159 School St., 3 story, 40 x 60 ft. brick and steel, plain foundation, School St., to F. Lagase, 20 Earl St. Archts. est. $45,000.

Industrial Works (Continued)

Conn., Hartford—Storage—Eastern Provision Co., State St., 2 story, brick and steel, plain foundation, State St., to C. P. Waterman, Inc., 43 Farmington Ave. Archts. est. $40,000. Noted Dec. 13.

Conn., Hartford—Storage—Fuller Brush Co., Windsor Ave., 2 story, 50 x 200 ft., brick and steel, plain foundation, to R. G. Bent Co., 183 Ann St. Archts. est. $50,000. Noted Dec. 13.

Conn., New Britain — Factory — Amer. Hardware Corp., Park St., altering building 99, adding one story, etc., Chestnut St., to W. H. Allen Co., Inc., Hungerford St. Archts. est. $60,000.

Conn., New Britain—Factory—Hart & Cooley Co., Corbin Ave., 2 story, 60 x 75 ft., brick and steel, plain foundation, to C. L. D. Co., 87 West Main St. Archts. est. $40,000.

Conn., New Britain—Garage and Salesroom—L. A. Oldershaw, archt., 259 Main St., 1 and 2 story, 70 x 100 ft. rein.-con., brick and steel, plain foundation, Arch St., to Hays Constr. Co., 9 Court St. Archts. est. $40,000. Owners name withheld.

Conn., New Haven—Warehouse—New Haven Dairy Co., 201 Hazel St., 2 story, 70 x 75 ft., brick and timber, plain foundation, to M. J. Gibbud Co., 100 Water St. Archts. est. $40,000.

Conn., Waterbury—Storage—F. Pepe, 42 Canal St., will build storage plant, etc., Bank St., by day labor. Archts. est. $60,000. T. M. Freney, 51 Leavenworth St., archt. Noted Dec. 20.

N. Y., Albany—Foundry—Cox Brass Mfg. Co., Van Woert and North Pearl Sts., will build 1 story, 65 x 84 ft., brick and timber addition, plain foundation, by day labor. $42,000. Private plans.

N. Y., Brooklyn—Garage—D. Schneider, c/o Cohn Bros., archts. and engrs., 361 Stone Ave., will build 1 story, 100 x 200 ft., rein.-con., brick and steel, plain foundation, Henry St., by day labor. $50,000.

N. Y., Buffalo—Warehouse—W. L. Marcy, Erie Co. Bank Bldg., 4 story, 100 x 200 ft., rein.-con. and brick, Swan St., to J. N. Byers & Son, 700 Main St., $150,000.

N. Y., Buffalo—Postal Sub-station and Garage—Postal Terminal Building Co., and Fletcher-Amer. Co., Fletcher Amer. Natl. Bank Bldg., Indianapolis, Ind., 2 story, 115 x 300 ft., rein.-con., brick and stone, Swan St. from Oak to Elm Sts., here, to Everitt Winters Co., 751-754 Book Bldg., Detroit, Mich. $525,000 incl. mechanical trades and equipment.

N. Y., Rome—Factory and Warehouse—Lockwood-Greene & Co., archts. and engrs., 101 Park Ave., New York City, 1 story, rein.-con. and steel factory, and 2 story, brick and steel warehouse, here, for Rome Mfg. Co., to B. S. McCarey & Co., 427 West Embargo St. Archts. est. $210,000. Noted Dec. 6.

Pa., Phila.—Plant, Boiler House, etc.—E. D. Whitaker, Emerald and West Moreland Sts., 3 story, 55 x 239 ft. plant, 1 story, 30 x 38 ft. boiler house and 3 story, 35 x 70 ft. pucker house, Sedgley and N Sts., to W. Steele & Sons, 219 North Broad St.

Pa., Phila.—Warehouse—Brodsky Bros., Richards St., 1 story, 155 x 300 ft., brick and steel, plain foundation, to Sarson & Konsar, c/o I. W. Levine, archt., 1011 Chestnut St.

Pa., Pittsburgh—Garage—Barnes Motor Co., 119 South Hiland Ave., 1 story, 42 x 127 ft. and 69 x 117 ft. garage and auto service shop, Hamilton Ave., to Conley & DeMey, 127 North Hiland Ave. Est. $46,000.

Pa., Pittsburgh—Plant—Presto Lite Co., 30 East 42nd St., New York City, altering plant, Lincoln Ave., here, to Cuthbert Bros., Bessemer Bldg. Est. $40,000.

Md., Baltimore — Substation — United Realty Co., Continental Trust Bldg., 1 story, 27 x 66 ft., concrete and brick, 313-15-17 North Payson St., to A. F. Fedeli Co., State Bank Bldg., $40,000. Noted Dec. 27.

Md., Baltimore — Warehouse — Standard Sanitary Mfg. Co., Bessemer Bldg., Pittsburgh, general contract 1 story, 170 x 350 ft., concrete and steel, here, to B. A. Groah Constr. Co., 847 West North St., Pittsburgh. Steel will be furnished by Fort Pitt Bridge Co., Pittsburgh. $400,000. Noted Dec. 13.

W. Va., Fairmont—Sales and Garage—Central Autombile Corp., 3 story, 100 x 120 ft., rein.-con., 4th St., to Concrete Steel Bridge Co., Clarksburg. $75,000.

Ala., Birmingham—Shops—Southern R.R. Co., 105 North 20th St., addition to shops incl. locomotive repair, boilers, mill and car repair shops, power plant and other buildings, general contract to Dwight P. Robinson & Co., Inc., 126 East 46th St., New York City.

Tenn., Chattanooga — Garage — Citizens Automobile Co., 1 story, brick, to M. K. Wilson, James Bldg. Est. cost $40,000.

Ky., Henderson—Warehouse—Belt Line Warehouse Co., 1 story, 110 x 170 ft., to T. H. Overby, Henderson. $50,000.

Ky., Louisville—Factory—Amer. Woolen Co. of Kentucky, 1000 East Oak St., 3 story addition, to Turner Constr. Co., 242 Madison Ave., New York City. Est. cost $150,000.

Ky., Louisville—Transformer Station—Louisville Gas & Electric Co., 311 West Chestnut St., will build 1 story, brick, 13th and Magazine Sts., by day labor. $40,000.

O., Cleveland — Garage — Christian, Schwarzenberg & Gaeda, archts., 1900 Euclid Ave., 2 story and basement, 93 x 180 ft., brick and rein.-con., 1841 Prospect Ave., to G. A. Rutherford Co., 2725 Prospect Ave., for Private Investment Co., c/o S. Miller, 1822 Central Ave. Archts. est. $150,000. Noted Dec. 6.

Ind., Hartford City—Factory—Overhead Door Co., 1 story factory, to J. E. Clark, Hartford City. Archts. est. $40,000. Noted Dec. 27.

Ill., Chicago—Factory—Continental Can Co., 4633 West Grand Ave., 1 and 3 story, 160 x 180 x 200 x 290 ft., fireproof, 4626-54 West North Ave., to S. S. Wilson & Co., 1851 Elston Ave. Archts. est. $650,000. Noted Dec. 13.

Ill., Chicago—Factory—Washington Parlor Furniture Co., 1306 Wicker Park Ave., 2 story, 50 x 107 ft., fireproof, 1308-16 Wicker Ave., to B. Loeff & Co., 105 North Clark St. Archts. est. $75,000.

Ill., Chicago — Laundry — Chicago Wet Wash Laundry Co., 2901 Montrose Ave., 2 story, fireproof addition, to W. E. Solomon, 175 West Jackson St. Archts. est., $75,000.

Ill., Maywood — Machine and Pattern Shop—W. A. Kennedy, c/o Van Gunten & Van Gunten, archts., 26 East Huron St., 2 story, 75 x 175 ft., fireproof, 1st Ave. and 1st St., here, to Buckholz, Huxhold, 533 Elgin Ave., Forest Park. Archts. est. $40,000.

Wis., Kenosha—Factory—P. Pirsch & Co., Fairfield Ave., 1 story, 100 x 202 ft., concrete, plain foundation, to Nielson & Christensen, Racine; structural steel to Kenosha Boiler & Structural Co. Est. $60,000. Noted Dec. 27.

Wis., Milwaukee—Factory—A. Meckelburg Sash & Door Co., 760 31st St., 1 story, 60 x 80 ft., brick and timber addition, plain foundation, to Klug & Smith Co., 609 Wisconsin St. Engrs. est. $40,000.

Wis., Milwaukee—Garage—Byrne Bros. Co., 3112 Burleigh St., will build 1 story, 107 x 120 ft., brick and concrete, plain foundation, North Ave., by day labor. $50,000.

Wis., Milwaukee — Warehouse — School Bd., 10th and Prairie Sts., 2 story, 147 x 170 ft., brick and concrete, plain foundation, let in separate contracts as follows: concrete, to H. Schmitt & Son, 430 Farwell Ave., $114,682; masonry work, to W. Buchholz, 1081 Sherman Blvd., $24,500; structural steel, to C. Hennecke Co., North Pierce St., $11,914.

Wis., Milwaukee — Warehouse — Union Oil & Supply Co., 29th and Forest Home Aves., 1 story, 75 x 119 ft., brick and timber, plain foundation, Leeds Pl., to J. Weisling, 902 Vliet St. $45,000. Noted Dec. 20.

Wis., Port Washington — Warehouse — Gilson Mfg. Co. 1 story, 62 x 300 ft., brick and timber, plain foundation, to E. B. Stone, Port Washington. Archts. est. $70,000.

Ia., Dubuque—Garage—Belsky Motor Co., 6th and Iowa Sts., 3 story, 100 x 103 ft., fireproof, to A. Zwack, 1301 Central Ave. Archts. est. $200,000. Noted Dec. 13.

Minn., St. Paul — Warehouse — Central Supply Co., P. J. Frey, pres., 1514 11th Ave. S., Minneapolis, general contract 3 story and basement, 100 x 100 ft., rein.-con. and brick, University Ave. and Griggs St., here, to C. Skooglun, 502 Ryan Bldg., $80,000. Noted Dec. 27.

Neb., Omaha—Garage—I. Goldstein, 218 South 18th St., 3 story and basement, 80 x 119 ft. rein.-con. and brick, 19th and Capitol Sts., to A. Beck, 410 Keelier Bldg. Engrs. est. $100,000. Noted Nov. 8.

Tex., Athens — Plant — Hugh Drane Ice Co. electrically equipped ice plant, to Hawn Lumber & Constr. Co., Athens, approximately $40,000.

Tex., Sherman—Factory—Hardwick Etter Co., 1 story, brick, to Elliott & Wood, Sherman, $45,000 complete.

Ariz., Phoenix — Warehouse — O'Malley Investment Co., 4 story, 100 x 140 ft., rein.-con., to T. B. Stewart Constr. Co., Central Bldg., cost plus basis.

Calif., Beverly Hills—Bakery—Standard Bakeries, 1802 Hooper St., Los Angeles, 1 and 2 story, brick and hollow tile, here, to A. Johnson & Co., 1007 South Grand Ave., Los Angeles, $132,000.

Calif., Redwood City — Plant — Pacific Portland Cement Co., Pacific Bldg., San Francisco, first unit of cement plant, 4,000 piles, each 85 ft. long, factory unit consisting of two 12 ft. kilns, 240 ft. long, each 1,200 bbl. capacity, here, to Duncanson & Harrelson, Chronicle Bldg., San Francisco. Noted Sept. 20.

Calif., San Francisco—Printing Plant—A. Dulfer Printing Co., 560 Mission St., 2 story and basement, rein.-con., Howard St. near 4th St., to Barrett & Hilp, 918 Harrison St., San Francisco, $54,000.

Ont., Renfrew—Plant—Seaman, Kent Co. Ltd., 268 Wallace St., Toronto, 2 story, rein.-con., brick and steel plant, plain foundation, to Wells & Gray Ltd., Confederation Life Bldg., Toronto. $250,000.

Ont., Timmins — Electric Substation — Hollinger Consolidated Gold Mines Ltd., will build 80 x 100 ft. electric substation, concrete and tile, by day labor. $150,000. Kerry & Chace, 550 Confederation Life Bldg., Toronto, engrs.

Ont., Toronto—Plant—Gelber Bros. Ltd., 217 Richmond St. W., 7 story and basement, 100 x 150 ft. rein.-con., brick and steel, plain foundation, Richmond St., general contract to L. E. Dowling, 167 Yonge St. Archts. est. $160,000.

Buildings

PROPOSED WORK

Mass., Northampton—Hotel—Northampton Hotel Co. had plans prepared by H. L. Stevens, archts. and engrs., 522 5th Ave., New York City, brick, steel and stone, plain foundation, King and Court Sts. $500,000. S. W. Lee, pres.

Conn., Deep River — Church — Baptist Church Society plans church. $150,000. D. S. Tufts, member. Engineer and architect not selected.

Conn., Hartford — Apartment — Bartlett Brainard Co., 252 Asylum St., plans five 3 story 32 x 120 ft., brick, plain foundation, Washington St. $300,000. Private plans.

Conn., Hartford—Apartment—L. Greenshpon, 20 West St., opens bids about Jan. 12, 4 story, 90 x 140 ft., brick, plain foundation, Buckingham St. $150,000. Berenson & Moses, 30 Allyn St., archts. Noted Dec. 20.

Conn., Hartford—Church—Central Baptist Church, 219 Ridgefield St., rejected bids 3 story church, Main and Elm Sts. Archts. est. $500,000. Will readvertise. T. A. Allen, Jr., Inc., 100 Farmington Ave., archt. Noted Oct. 11.

Conn., Hartford — Home — Hebrew Old Ladies Home, 276 Washington St., plans 3 story home, Washington St. $150,000. J. Divinsky, 24 Irving St., chn. building com. Engineer and architect not selected.

Conn., Meriden—Bank—Meriden Savings Bank, East Main St., soon takes bids 1½ story, 60 x 75 ft., brick, steel and stone, plain foundation, Main and Crown Sts. $200,000. Holmes & Winslow, 1346 44th St., New York City, archts. and engrs. Noted July 12.

Conn., New Haven—Library—Yale University having plans prepared by Bertram G. Goodhue, archt., 2 West 47th St., New York City, brick, steel and stone, plain foundation, here, $4,000,000. James Gamble Rogers, 367 Lexington Ave., New York City, consult. archts.

Conn., New Haven — School — Hopkins Grammar School, 1209 Chapel St., having plans prepared by H. K. Murphy, 1 Pershing Sq., New York City, school buildings, fireproof. $400,000.

Conn., Norwich—Hospital—Backus Memorial Hospital having plans prepared by Cudworth & Thompson, Thayer Bldg., hospital. $250,000. Noted July 26.

Conn., Torrington—Business—E. Weitzen, 39 Water St., plans 4 story, Main St. $150,000. Architect and engineer not selected.

Conn., Wallingford — Chapel — Choate School, North Elm St., having plans prepared by R. A. Cram, 33 West 42nd St., New York City, 1 story, brick and stone, on Campus. $150,000.

Conn., Waterbury — Home — Southmayd Home, Inc., having plans prepared by W. A. Arnold, 34½ West Main St., Meriden, 2½ story, brick, plain foundation, Columbia Blvd. $150,000.

Buildings (Continued)

N. Y., Albany—College—Sisters of St. Joseph plan 3 story, 75 x 250 ft., brick and steel, plain foundation, 979 Madison Ave. $175,000. Engineer and architect not selected.

N. Y., Albany—Temple—Masonic Hall Assn. plans demolition present building and construction 5 story, 66 x 330 ft., brick and steel, plain foundation, 111 Washington St. $900,000. Engineer and architect not selected.

N. Y., Amsterdam—Schools—Voted $1,015,000 bonds new junior high school, and additions to Vrooman Ave. and 5th Ward schools. Engineer and architect not selected. Noted Dec. 6.

N. Y., Buffalo—School—Nichols School, Amherst and Colvin Sts., having plans prepared by E. B. Green & Co., 75 Niagara St., 2 story and basement, 150 x 250 ft., rein.-con. and brick, Amherst St. $200,000.

N. Y., New York—Apartment—Park Ave. and 53rd St. Corp., c/o E. D. Litchfield & Rogers, archts. and engrs., 477 5th Ave., having plans prepared 15 story, brick, steel and stone, plain foundation, Park Ave. and 53rd St. $540,000.

N. Y., New York—Institute—Natl. Bible Institute 214 West 35th St., soon takes bids 17 story, 100 x 200 ft., brick, steel and stone, plain foundation, 330 West 55th St. $1,500,000. McKenzie, Voorhies & Gmelin, 342 Madison Ave., archts. and engrs.

N. Y., New York—Office—Parlex Building Corp., c/o J. Sloan, archt. and engr., 1 Pershing Sq., having plans prepared 35 story, brick, steel and stone, plain foundation, 4th Ave. and 32nd St. $18,000,000.

N. Y., Ozone Park (Jamaica, P. O.)—Church—St. Marys Gate of Heaven Roman Catholic Church, c/o E. Perrot, archt. and engr., 233 Bway., New York City, soon takes bids brick and stone, plain foundation, 103rd Ave., here. $200,000.

N. Y., Patchogue — Club — Patchogue Lodge B.P.O.E. soon takes bids 3 story, 50 x 100 ft., brick, steel and stone, plain foundation, East Main St. $200,000. L. Jallade, 129 Lexington Ave., New York, archt. and engr.

N. J., Bordentown—Dormitory—State Bd. Educ., Trenton, rejected bids Jan. 3. 3 story, 55 x 175 ft., at Manual Training & Industrial School for Colored Youths, here. To exceed $187,000. Noted Dec. 13.

N. J., Irvington—Vocational School—Essex Co., Court House, Newark, plans school on site 122 x 455 ft., Myrtle Ave. and University Pl., here. Bonds for $250,000 will be issued. Engineer and architect not selected.

N. J., New Brunswick — Library — Trustees Rutgers College plan addition to Ralph Voorhees Library. $150,000. E. L. Tilton, 141 East 45th St., New York City, archt.

N. J., Plainfield — Y.W.C.A., 206 East Front St., having sketches made by J. T. Simpson, archt. and engr., Essex Bldg., Newark, 3 story, brick, steel and stone, plain foundation, Front St. $250,000.

Pa., East Washington—High School—Bd. Educ. having plans prepared by G. H. Schwan, Peoples Bank Bldg., Pittsburgh, 1 story and basement, 83 x 167 ft. $150,000.

Pa., Johnstown—Lodge Home—Knights of Columbus Council 467, 335 Vine St., plans 3 story and basement, 100 x 120 ft. rein.-con., brick and steel, Vine St. $150,000.

Pa., Phila.—Apartment—C. E. Oelshlager, archt., 1615 Walnut St., preparing plans 12 story and basement, 88 x 240 ft., Spruce and Broad Sts. Owner's name withheld. Former bids rejected.

Pa., Pittsburgh—Apartment—A. Rafferty, 2144 Wisconsin Ave., Dormont, having plans prepared 3 story and basement, 36 x 196 ft. brick, 5311 5th Ave. $150,000. Private plans.

Pa., Pittsburgh — Hotel — Pittsburgh Hotels Co., Wm. Penn Hotel, having plans prepared by B. Janssen, Century Bldg., 18 story and basement, 203 x 215 ft. brick, steel and stone, 6th, Grant and Oliver Sts. $6,000,000.

Pa., Windber—School—Bd. Educ. having plans prepared by H. M. Remhold, Jr., 1513 Walnut St., Phila., 2 story and basement, 56 x 162 ft. and 66 x 87 ft., brick, steel and stone, plain foundation. $150,000.

Md., Baltimore—Office and Store—Home Friendly Society Co., 1026 Linden Ave., having revised plans prepared by C. N. and N. Friz, Lexington Bldg., 3 story, brick, plain foundation, Cathedral and Centre Sts. $250,000. H. F. Doelman, 507 North Charles St., engr. Noted Dec. 13.

W. Va., Huntington — Office — Coal Exchange Bldg. Co., Inc., takes bids about Jan. 15, 14 story, 60 x 170 ft., brick, and steel, 11th St. $1,000,000. Meanor & Handloser, Robson-Prichard Bldg., archts. Noted Feb. 15.

W. Va., Parkersburg — Wholesale — Brown-Kendall Co. having plans prepared by T. T. Sansbury, Parkersburg, 6 story, Juliana St. $200,000.

Fla., Bradentown — Hotel — Manovista Hotels, Inc., plans 4 story addition, Main St., $250,000. G. R. Wallace, pres.

Fla., Okeechobee—Hotel—W. G. Conners, West Palm Beach, plans 100 room hotel, here. $200,000.

Ala., Birmingham—Court House—Jefferson Co. having plans prepared by J. B. Wheelock, Birmingham, 4 to 6 story, 6th Ave. N. E. and 20th St. Cost between $1,000,000 and $1,500,000. Address D. C. Ball, Court House.

Tenn., Knoxville—Schools—Plans election to vote on $1,000,000 bond issue for schools. L. H. Spellman, pres. Bd. Educ.

Tenn., Memphis — High Schools — City having plans prepared by Egan & Weller, Bank of Commerce Bldg., 3 story, Mississippi and Georgia Sts., $200,000; by C. O. Pfeil & G. W. Awsumb, U and P Bldg., 3 story high school, North Memphis, $300,000. L. C. Humes, pres. Bd. Educ.

Tenn., Nashville — Apartment — Prichett-Coleman Co., Stahlman Bldg., having plans prepared by Asmus & Clark, Stahlman Bldg., 8 story, Memorial Apartment, 7th Ave. N. $400,000.

Ky., Lexington—Recitation—University of Kentucky plans recitation building. $250,000. A. P. Whipple, supt. of buildings.

Ky., Louisville—High School—Bd. Educ. plans girls high school in West End section. $750,000.

Ky., Louisville—Memorial and Auditorium—Louisville Memorial Comn., City Hall, plans auditorium and war memorial. $1,250,000.

Ky., Louisville—Office—Beiknap Hardware & Mfg. Co., 1st and Main Sts., having plans prepared by Joseph & Joseph, Francis Bldg., 17 story, 128 x 200 ft., brick, 4th St. near Bway. $1,500,000. Noted Oct. 11.

Ky., Louisville—Theater, Office and Apartment—Mammoth Realty Co., 608 West Walnut St., having plans prepared by Joseph & Joseph, Francis Bldg., and takes bids about Feb. 11, 6 story, 70 x 150 ft., 6th and Walnut Sts. $250,000.

O., Cincinnati—Hospital—Episcopal Hospital for Children, North Main St., Mt. Auburn, having plans prepared by Elzner & Anderson, Denton Bldg., and S. Mathews, Blymyer Bldg., 5 story, 150 x 350 ft. rein.-con., plain foundation, Burnet Ave. $500,000.

O., Cincinnati—School—Bd. Educ. having plans prepared by Elzner & Anderson, Denton Bldg., 1 story, 250 x 350 ft., rein.-con. and brick, plain foundation, Cedar Ave. $400,000.

O., Cleveland—Medical Library—Allen Memorial Library, c/o Cleveland Medical Library Assn., 2318 Prospect Ave., having preliminary plans prepared by Walker & Weeks, 1900 Euclid Ave., 3 story, concrete, brick and steel, Euclid Ave. and Adelbert Rd. $300,000. C. A. Hamann, pres.

O., Cleveland—Studio—L. Da Vinci Galleries, c/o F. W. Bail, archt., Hanna Bldg., had plans prepared 2 story and basement, 100 x 120 ft., brick, steel and stone. $150,000.

O., Columbus—Hotel—Normandie Realty Co., 259 East Long St., having plans prepared by F and Y Constr. Co., 141 East Broad St., 5 story and basement, 62½ x 100 ft., brick, concrete and terra cotta addition. $300,000.

O., Columbus—Office—Finance Co., 3rd and Rich Sts., having plans prepared 3 story, 100 x 150 ft., concrete and brick addition, 3rd St. $150,000. H. S. Darnell, mgr. Engineer and architect not selected.

O., Dayton—Store—J. G. McCrory Co., 1107 Bway., New York City, plans 4 story and basement, 50 x 198 ft., rein.-con. and stone, plain foundation, Main St., here. $250,000.

O., East Youngstown—High School—Bd. Educ. having plans prepared by Miller & Son, 408 Dollar Bank Bldg., Youngstown, new high school. Noted Sept. 20.

O., Hamilton—Academy—Notre Dame Academy, 2nd St., having plans prepared by Crowe & Schulte, Title Guaranty Bldg., Cincinnati, 4 story and basement, 100 x 119 ft., brick and stone addition, plain foundation, 2nd and Hanover Sts. $200,000.

O., Wooster—Hotel—Lincoln Hotel plans 5 story, Liberty St. $200,000. Ridley & Glazier, Federal Oil & Gas Bldg., Akron, archts.

O., Youngstown — Office — Stanley & Scheible, archts., 1301 Wick Bldg., takes bids about Jan. 15, 12 story and basement, 51 x 72 ft., steel, concrete and terra cotta, East Federal St., for Realty Guarantee & Trust Co. $500,000.

Ind., West Baden—Bath House—West Baden Hotel plans marble bath house. $200,000. F. Uric, mgr.

Mich., Detroit—Apartment—Verner, Willhelm & Molby, archts., 602 Book Bldg., preparing plans 7 story and basement, 50 x 150 ft. concrete, brick and steel, plain foundation, West Grand Blvd. $175,000. Owners name withheld.

Mich., Detroit — Church — St. Theresa Parish, c/o Van Leyen, Schilling, Keough & Reynolds, archts., 3440 Cass Ave., having plans prepared 2 story, 60 x 170 ft. brick, steel and stone, plain foundation, DeQuincy Ave. $250,000. J. McCabe, pastor.

Mich., Detroit—Rectory—Holy Redeemer Parish, E. K. Cantwell, pastor, 1721 Junction Ave., having plans prepared by Donaldson & Meier, 1314 Penobscot Bldg., 2 story and basement, brick and steel, plain foundation, Junction Ave. $150,000.

Mich., Pontiac—School—Bd. Educ. having plans prepared by Malcomson & Higginbotham 1219 Griswold St., 2 story and basement, rein.-con., brick and steel, plain foundation. $350,000.

Mich., Grand Rapids — Office — Michigan State Telephone Co., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, 2 story and basement, rein.-con., brick and steel, plain foundation, Division Ave. $150,000.

Mich., Kalamazoo—Church—First Methodist Episcopal Church, Lovell St., plans church on West Lovell St. $225,000 to $250,000. Engineer and architect not selected.

Mich., Kalamazoo—Church—First Presbyterian Church, South St., plans church on West South St. $300,000. Engineer and architect not selected.

Ill., Chicago—Apartment—A. V. Teisen, archt., 4804 North Kedzie Ave., preparing plans 3 story and basement, 102 x 199 ft., fireproof, Jackson St. near St. Louis Ave., $320,000. Owners name withheld.

Ill., Chicago — Commission House — Howard Building Corp., 956 West Randolph St., plans 2 story and basement, 65 x 125 ft., rein.-con., brick and steel, 1000-10 West Randolph St. Archts. est. $200,000.

Ill., Chicago—Store and Office—N. S. Schoenbrod, c/o Rissman & Hirschfield, archts., 64 West Randolph St., plans 2 story, 119 x 124 ft., fireproof, Trumbull and 26th Sts., $200,000.

Ill., Cicero—Hotel—Bartelsen & Gold c/o Dubin & Eisenberg, archts., 14 West Washington St., Chicago, plans 4 story, 91 x 126 ft., fireproof, 52nd Ave. and 54th St., here. $300,000.

Ill., Duquoin—Hotel—W. H. Owens, 12 South Mulberry St., having preliminary plans prepared by R. Z. Gill, 1328 Walnut St., Murphysboro, 6 story and basement, rein.-con., brick, stone and terra cotta. $225,000.

Ill., River Forest—Church and Parish House—Second Presbyterian Church plans 1 story, 125 x 360 ft., fireproof, Quick St. near Jackson St. $250,000. Holmes & Flinn, 8 South Dearborn St., Chicago, archts.

Wis., Marshfield—Church—First Presbyterian Congregation, c/o O. L. Block, pastor, 201 West 24th St., having plans prepared by A. A. Honeywell, 413 Pennwy Bldg., Indianapolis, Ind., brick and concrete, plain foundation. $150,000.

Wis., Milwaukee — High School — Marquette University 1115 Grand Ave., having plans prepared by Herbst & Kuenzli, 114 Grand Ave., 3 story and basement, brick, tile and concrete, plain foundation. $700,000. Noted Dec. 13.

Ia., Cedar Rapids—Store and Office—Killian Co., c/o A. L. Killian, pres., 3rd Ave. and 3rd St., East, having plans prepared by R. Rugh, Klinger Bldg., 12 story and basement, 80 x 120 ft., rein.-con., brick, tile and terra cotta, 3rd Ave. and 2nd St., East. $700,000.

Ia., Des Moines—Office—Southern Surety Co., Register and Tribune Bldg., having plans prepared by Sawyer & Watrous, 401 Hippee Bldg., 13 story and basement, 66 x 132 ft., rein.-con., brick and stone, 6th and Cobb Sts., $600,000.

Ia., Marshalltown — High School — Plans election to vote on $500,000 bonds for high school. W. F. Shirley, supt. Bd. Educ.

Minn., Duluth—Hotel—Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee,

Buildings (Continued)

Wis., having revised plans prepared by M. Tullgren & Sons, 425 East Water St., Milwaukee, Wis., superstructure of 11 story and basement, 142 x 150 ft., brick and concrete, here. $1,000,000 complete. Noted Nov. 15.

Minn., Duluth—Schools—Bd. Educ. plans to expend $2,500,000 on schools during 1924. Plans incl. West Duluth High School, between 45th and 47th Aves. W., $800,000; junior high school between 23rd and 24th Aves. E., $700,000-$900,000 gymnasium near Central High School; additions to Washington Junior High School and to Stowe School at New Duluth and Lowell School at Duluth Heights. $1,600,000 bond issue will soon be called, and bids on work will be called immediately after authorization of bonds. F. D. Knight, pres.

Kan., Leavenworth — City Hall — City having plans prepared by Feth & Feth, archts., Leavenworth, and takes bids about Jan. 15, 2 story and basement, 90 x 125 ft., brick and rein.-con. $200,000. Noted Nov. 8.

Kan., Wichita — Temple — York Rite Masonic Assn. opens bids about Feb. 25, 7 story, 75 x 132 ft., rein.-con. and stone. $500,000. Eberson & Weaver, 514 Orpheum Bldg., archts. Noted Dec. 20.

Kan., Winfield — College — St. Johns Lutheran College, having preliminary plans prepared by Lorentz Schmidt Co., 121 North Market St., Wichita, 2 story and basement, rein.-con., brick and stone. $185,000.

S. D., Rapid City—School—Bd. Educ. having plans prepared by Perkins & McWayne, Paulton Blk., Sioux Falls, 2 story and basement, rein.-con., brick and tile. $275,000.

Mo., Carruthersville—School—Bd. Educ., takes bids about Feb. 1, 2 story and basement, 75 x 145 ft., rein.-con. and brick. $175,000. H. H. Hohenschild, Odd Fellows Bldg., St. Louis, archt.

Mo., Kansas City—Office—Kansas City Southern Ry. Co., 11th and Wyandotte Sts., having plans prepared by McKechnie & Trask, 719 Gloyd Bldg., 2 story, 96 x 142 ft. addition to present 6 story, rein.-con., brick and terra cotta. $150,000.

Mo., Kansas City—Theatre and Office—Werby Real Estate Co., 419 Bonfils Bldg., having plans prepared by Greenbaum, Hardy & Schromaker, 216 Scarritt Bldg., rein.-con. and brick, 39th and Main Sts. $500,000.

Mo., Roaring River — Hotel—R. E. Bruner, c/o J. O. Hogg, archt., 22nd and Oak Sts., Kansas City, having plans prepared 3 story and basement, 140 x 186 ft., rein.-con. and stone, here. $150,000.

Ark., Texarkana — Office — Texarkana Natl. Bank, 102 West Broad St. soon takes bids 8 story, 25 x 140 ft., rein.-con., brick, steel and stone, West Broad St. $200,000. Private plans.

Tex., Cameron — High School — Voted $150,000 bonds for high school. A. F. Mitchell, city engr.

Tex., Cameron—School—City voted $200,000 bonds for school.

Tex., Dallas—Office—Lang & Witchell, archts. and engrs., Amer. Exch. Natl. Bank Bldg., takes bids in February, 5 story and basement, 56 x 103 ft., brick and concrete, Wood and Browder Sts., for Gunner Estate, c/o architects and engineers. $200,000.

Tex., Luling—High School—Plans election to vote on $150,000 bonds for high school. J. H. Vordenbaum, supt. Pub. Schools.

Tex., San Marcos — Schools — Defeated $200,000 bonds for schools. C. E. Rugel, San Marcos, secy. Bd. Trustees. Noted Jan. 3.

Okla., Blackwell — Memorial — City defeated $175,000 bond issue for 2 story, 125 x 160 ft. brick memorial, Main St. Smith & Senter, Okmulgee, archts. Noted Dec. 13.

Okla., Claremore — Bath House — Claremore Bath & Sanitarium Co. soon takes bids 3 story and basement, 120 x 142 ft., rein.-con. and brick, plain foundation. $200,000. G. D. Davis, Claremore, archt. Noted Oct. 4.

Okla., Muskogee — Temple — Masonic Lodge having plans prepared by Bassham & Howenstein, 702 Commercial Bldg., 2 story and basement, 120 x 132 ft., rein.-con. and Bedford stone. $150,000. Noted Nov. 22.

Okla., Oklahoma City—Store—Kerr Dry Goods Co., 226 West Main St., had preliminary plans prepared by W. T. Schmitt, 1634 West 10th St., 8 story, 80 x 140 ft., rein.-con. and brick, plain foundation, Harvey St. $700,000.

Wash., Tacoma — Schools — School Bd. having plans prepared by Hill, Mock & Griffin, Perkins Bldg., grade school $180,000 and 3 smaller buildings costing $20,000 each.

Calif., Alhambra — Hotel — Community Hotel Corp., had plans prepared by R. B. Stacy-Judd, 6030 Hollywood Blvd., Los Angeles, group of hotel buildings, brick, hollow tile and mill construction. To exceed $150,000. Noted Nov. 8.

Calif., Glendale—Apartment and Store—B. C. Grossman, 246 North Brand Blvd., having plans prepared by A. F. Priest, Fay Bldg., Los Angeles, 3 story and basement, 50 x 130 ft. brick, Brand Blvd.

Calif., Hermosa Beach—Apartment—F. S. Vreeland, c/o M. Hunt, archt., Hibernian Bldg., Los Angeles, having plans prepared 7 story and basement, rein.-con. here. To exceed $150,000.

Calif., Los Angeles — Apartment — B. Hoffman, c/o Norton & Wallis, archts., 716 South Spring St., plans approximately 5 story, rein.-con., St. Paul St. To exceed $150,000.

Calif., Los Angeles—Apartment—S. L. Peiser, et al., 209 Post St., San Francisco, plans 12 story, 135 x 150 ft., fireproof, Wilshire Blvd., here. Engineer and architect not announced.

Calif., Los Angeles—Exchange—Southern California Telephone Co., 740 South Olive St., plans 9 story, 90 x 150 ft., steel frame, fireproof construction, Washington and Grand Aves. Private plans.

Calif., Los Angeles—Hotel and Store—W. E. Wellborne, et al., c/o Ashley & Evers, archts., Mortgage-Guarantee Bldg., having preliminary plans prepared 4 story, and basement, 110 x 120 ft., brick, Western Ave.

Calif., Los Angeles — Office — Citizens Mortgage Co., Loews State Bldg., having plans prepared by Noerenberg & Johnson, Los Angeles Ry. Bldg., 12 story and basement, 73 x 110 ft., rein.-con., 11th St. and Bway. $600,000.

Calif., Los Angeles—Store and Loft—Malman & Silverman having plans prepared by J. M. Cooper, Marsh-Strong Bldg., 6 story, 100 x 140 ft., rein.-con. and brick, South Los Angeles St. $250,000.

Calif., Oakland—Bank and Office—Franklin Bank & Trust Co., Syndicate Bldg., plans 10 or 12 story, fireproof construction, 13th and Franklin Sts. Engineer and architect not selected.

Calif., Redwood City—Preventorium—City and San Francisco Co. plan tuberculosis preventorium on 300 acre site, here. J. Reid, Jr., 1st Natl. Bank Bldg., San Francisco, city archt.

Calif., San Francisco — Apartment — C. Peterson, 390 6th St., plans 6 story and basement, rein.-con., California St. near Jones St. $175,000. Engineer or architect not selected.

Calif., San Francisco — Apartment — H. Shermund, archt., Hearst Bldg., preparing plans 6 story and basement, 67 x 105 ft., rein.-con., Jones St. near Turk St. $175,000. Owner's name withheld.

Calif., Wilmington—Restaurant—A. R. Gearhart, c/o Dearborn Café, Detroit, Mich., representing owners, having plans prepared by Milwaukee Bldg. Co., Wright-Callendar Bldg., Los Angeles, 2 story and basement, fireproof, Fries Ave., here. $150,000.

N. S., Halifax—Home—Halifax Co. plans 3 story, 100 x 300 ft. home, Cole Harbor. $275,000. Architect not announced.

N. B., St. John—High School—St. Johns School Bd., 1 Hazen Ave., had preliminary plans prepared by F. N. Brodie, 42 Princess St., 2 story and basement, 152 x 226 ft. rein.-con., steel and stone, plain foundation. $350,000.

N. B., St. John—School—Roman Catholic Bishop of St. John, Waterloo St., having plans prepared by Frechet & Feeney, 44 Sydney St., 3 story and basement, 93 x 126 ft. steel, brick and stone, plain foundation, Sydney St. corner of Leinster St. $200,000.

Ont., Ft. William—Collegiate—Bd. Educ. plans 3 story and basement, 20 room, rein.-con., brick and steel, plain foundation. $200,000. Engineer and architect not selected.

Ont., Mimico—High School—Bd. Educ. plans 2 story and basement, 10 room, rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

Ont., Oshawa — Collegiate — Bd. Educ. plans 3 story and basement, 25 room, rein.-con., brick and steel, plain foundation. $250,000. Engineer and architect not selected.

Ont., Toronto—Bank—Canadian Bank of Commerce, 23 King St. W., plans 3 story and basement, rein.-con., brick and steel, plain foundation, Yonge St. $150,000. Engineer and architect not selected.

Ont., Toronto—Theater—Danforth-Woodbine Theater Ltd., Danforth and Woodbine Aves., having plans prepared by J. H. Stafford, 67 Yonge St. Arcade, 2 story and basement, rein.-con., brick and steel, plain foundation, Danforth Ave. $150,000.

BIDS DESIRED

Conn., Norwalk—Church—Jan. 15, by C. C. Grant, archt. and engrs., 15 West 38th St., New York City, brick, steel and stone, plain foundation, Broad St., for 1st Congregational Church, 69 East Ave. $150,000. E. F. McGregor, pastor.

N. Y., Creedmoor (Jamaica P. O.)—Jan. 22, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 33, 222nd St. through to 224th St. from 91st Rd. to 92nd Ave., here, for Bd. Educ., 500 Park Ave., New York City.

N. Y., Jamaica—School—Jan. 22, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 116, Wren Pl. from Pohlemas Ave. to Rex Rd. and extending to Fern Pl., Jamaica south, for Bd. Educ., 500 Park Ave., New York City. Noted Mar. 29.

N. Y., Roslyn—School—Jan. 21, by Bd. Educ., brick, steel and stone, plain foundation, Walliston St. $250,000. W. B. Tubby, 81 Fulton St., New York City, archt. and engr. Noted Nov. 8.

N. Y., Rome—Employees Home—Feb. 4, by R. C. Briggs, pres. Bd. Mgrs. New York State School, Rome, 2 story and basement, 34 x 157 ft. with 34 x 49 ft. wing, rein.-con., steel and terra cotta, here. $200,000.

N. J., Lambertville—High School—Feb. 1, by School Bd., 2 story, brick and steel, $188,000. W. A. Klemann, 1st Natl. Bank, Trenton, archt. Noted Dec. 20.

N. J., Midland Park—School—Jan. 29, by Bd. Educ., brick, steel and stone, plain foundation. $200,000. F. Y. Parsons, 252 West 46th St., New York City, archt. and engr.

N. J., Millville—High School—Jan. 30, by Bd. Educ., City Hall, high school, Broad and 5th Sts. Guilbert & Bettelle, Chamber of Commerce Bldg., Newark, archts.; adv. E. N.-R. Jan. 10.

N. J., Trenton—School—Feb. 10, by Hamilton Twp. School Bd., 2 story, brick and steel addition to Kuser School. $150,000. W. A. Klemann, 1st Natl. Bank, archt.

Pa., Clairton—High School—Jan. 18, by Bd. Educ., 3 story and basement, 180 x 280 ft. brick and steel. $250,000. C. W. Bates, 77 12th St., Wheeling, W. Va., archt.

Pa., Corry—School—Bd. Educ. taking bids 2 story and basement, 120 x 167 ft. brick, steel and tile, Wright and Congress Sts. $175,000. W. G. Eckles, New Castle, archt.

Pa., Williamsport—Bank—Jan. 25, by P. A. Davis, 3rd, and Dunlop, 1713 Sansom St., Phila., altering old structure and building 5 story and basement, 51 x 109 ft. rein.-con., brick and steel addition, plain foundation, Front, 3rd and Court Sts., for 1st. Natl. Bank. $300,000.

Md., Baltimore—Apartment—Jan. 16, by H. D. Bennett, engr., 2114 Alledale St., 5 story, 90 x 112 ft., brick, plain foundation, Bateman Ave. and Hilton St., for Mont-Alto Apartments Co. $200,000.

Md., Baltimore—Bank—Jan. 15, by J. E. Sperry, archt., Calvert Bldg., altering and building 1 story, 25 x 128 ft. addition, brick, plain foundation, Howard and Saratoga Sts., for Calvert Bank, Howard and Saratoga Sts. $150,000.

O., Shelby—High School—Jan. 14, by Bd. Educ., 2 story and basement, 195 x 250 ft., brick, steel and concrete. $300,000. V. Redding, Bird Bldg., Cleveland, archt.

Ind., Bloomington — Memorial — Jan. 29 (extended date), by J. W. Craven, secy. Indiana University 3 story and basement, 10 x 280 ft., rein.-con. and stone. $330,000. Lowe & Bollenbacher, 108 South LaSalle St., Chicago, archts. Noted Nov. 15.

Ill., Chicago—Apartment—Van Gunten & Van Gunten, archts., 26 East Huron St., receiving bids 6 story, 75 x 125 ft., fireproof, 6232 Bway., for H. Weiss, c/o architects. $425,000.

Ill., Chicago—Hotel—E. M. Levin, 458 North Western Ave., receiving bids 3 story and basement, 50 x 150 ft., fireproof, 5107 Kenmore Ave., $165,000. R. Gregory, 155 North Clark St., archt.

Wis., Mayville—High School, etc.—Jan. 22, by School Bd., O. D. Naber, pres., 2 story and basement, 70 x 157 ft., high school and 1 story 80 x 200 ft., gymnasium.

Buildings (Continued)

brick, tile and concrete, plain foundation. $200,000. Noted Dec. 6.

Ia., Ottumwa — Jan. 18, by Croft & Boerner, archts., 1006 Marquette Bldg., Minneapolis, Minn., 4 story and basement, rein.-con. and brick, for Y. W. C. A. $150,000.

Mo., St. Charles—Dormitory—Jan. 14, by LaBeaume & Kline, archts., Compton Bldg., St. Louis, 3 story, 42 x 150 ft., rein.-con., brick and stone, on campus, here, for Lindenwood College. $175,000.

Tex., San Antonio—Jan. 15, by Adams & Adams, archts., 517 Gibbs Bldg., 5 story, 98 x 184 ft., rein.-con., brick and stone, Martin and Navarro Sts., for Y. M. C. A. W. E. Simpson Co., N. B. C. Bldg., engrs. Noted Dec. 6.

Tex., Vernon—High School—Jan. 30, by Bd. Educ., 3 story and basement, brick and concrete. G. A. Carlander, Amarillo, archt.

Okla., Oklahoma City—Medical, Office and Bank—Feb. 1, by Layton, Smith & Forsyth, 906 Baniff Bldg., 12 story and basement, 75 x 140 ft., rein.-con., brick and stone, for Security Natl. Bank, 109 North Bway. $800,000. Noted Dec. 27.

BIDS RECEIVED

N. Y., St. George—School—Bd. Educ., 500 Park Ave., New York, Jan. 3, P. S. 16, brick, steel and stone, plain foundation. Daniel Low Terrace through to Monroe Ave., here, from Staten Island Constr. Co., Inc., 206 Bay St., Tompkinsville. $275,256. Noted Dec. 20.

Pa., Phila.—Schools—School Bd. (1) 4 story and basement, 111 x 133 ft. 4th, George and Orianna Sts., (2) 4 story and basement, 111 x 133 ft., 6th, Carpenter and Montrose Sts., general contracts from McCloskey & Co., 1620 Thompson St., (1) $427,427, (2) $418,666; heating from W. P. McKenzie & Co., 315 South 15th St., (1) $44,118, (2) $44,116; plumbing from S. Faith & Co., Inc., 2427 Penna. Ave., (1) $27,000, Bulman Bros., 5th and Cumberland Sts., (2) $27,666.

La., New Orleans—Home—J. P. Sullivan, chn, Building Com. Elks Club, reconstructing and altering portion of clubhouse recently destroyed by fire, from R. P. Farnsworth, Canal Commercial Bldg., $172,000. Noted Dec. 6.

Calif., Los Angeles—High School—City, 2 and 3 story, 135 x 247 ft. main building; 2 story, 44 x 144 ft. domestic science and cafeteria building, brick, general contract from J. F. Atkinson, Story Bldg., Los Angeles, $238,700.

CONTRACTS AWARDED

N. H., Lebanon—Town Hall—Town Hall Com., 3 story, 60 x 175 ft., brick, concrete and steel, Main St., to H. P. Cummings Constr. Co., Ware, Mass. Archts. est. $250,000.

Mass., Boston—Apartment—S. Rudnick, 43 Tremont St., will build two 5 story, brick and stone, plain foundation, Fenway Riverway, by day labor. $350,000. G. N. Jacobs, 10 Bosworth St., archt.

Mass., Boston—Apartment—M. Seretto, 3 Tremont Row, will build 7 story, 60 x 100 ft., brick and stone, plain foundation, 90 Commonwealth Ave., by day labor. $175,000. J. T. Ball, 1 Trinity Court, archt.

Mass., Boston—Apartment Hotel—Lincolnshire Realty Co., 15 State St., 8 story, 67 x 120 ft., brick, steel and concrete, plain foundation, Charles St., to Chase & Gilbert, 185 Devonshire St. Archts. est. $270,000.

Mass., Brighton (Boston P. O.)—Apartment—W. London, 24 Milk St., Boston, will build 5 story, 118 x 120 ft., brick and steel, Commonwealth Ave., here, by day labor. $225,000. S. S. Eisenberg, 46 Cornhill, Boston, archt.

Mass., Chelsea (Boston P. O.)—High School—School Com., 3 story and basement, 200 x 230 ft., rein.-con. and brick, wood pile foundation, Crescent St., to Simpson Bros., Corp., 77 Summer St., Boston, $652,000. Noted Oct. 25.

Conn., Bridgeport—Church, etc.—Trinity Episcopal Church, Fairfield Ave. and Broad St., 1 story and basement, 69 x 144 ft., local stone and hollow tile, plain foundation, Washington Ave., to Hewitt Co., 884 Main St. Archts. est. $150,000. Noted Dec. 20.

Conn., Hartford—Office—D. A. Dunham, 199 North Beacon St., 3 story, 48 x 100 ft., also remodeling 2 other buildings, Lewis St., to Industrial Constr. Co., 721 Main St. Archts. est. $200,000. Noted Dec. 20.

Conn., Manchester—Armory—Payne & Keefe, archts., Manwaring Bldg., New London, 2 story, 75 x 150 ft., brick and steel, plain foundation, for Manchester State Guard, to G. Schreiber Sons, Manchester. Archts. est. $175,000. Noted Dec. 13.

ROAD WORK—IDAHO

Following are lowest three bids opened by Dept. Pub. Wks., Bureau of Highways, Boise, Nov. 26, for 10 mi. grading and surfacing North and South Highway, Latah Co., (A) J. A. Terteling, Moscow, (awarded contract); (B) Campbell & Barr, Moscow; (C) Ryberg-McHugh, Boise. The unit bids were as follows:

	A	B	C
13 acres clearing and grubbing	75 00	100 00	75.00
4,428 cu.yd. solid rock excavation	1 25	1 50	1.50
14,671 cu.yd. loose rock excavation	55	32	.55
49,314 cu.yd. earth excavation	26	32	.25
21,718 cu.yd. earth borrow	28	32	.25
5,109 cu.yd. loose rock borrow	55	32	.55
82,358 sta.yd. overhaul	05	05	.05
21,559 cu.yd. surfacing	2 20	2 10	2.20
380 lin.ft. 12 in. c.i. pipe hauling and placing	40	50	.60
1,692 lin.ft. 18-in. c.i. pipe hauling and placing	50	60	.70
58 lin.ft. 24-in. c.i. pipe hauling and placing	70	70	.80
26 lin.ft. 36-in. c.i. pipe hauling and placing	1 00	80	.95
92.90 cu.yd. class A concrete	24 00	28 00	28 00
151.72 cu.yd. class B concrete	23 00	27 00	26 00
18,598 lb. reinforcing steel	.08	10	.08
6,365 lin.ft. guard rail, type A	.50	75	.90
282 cu.yd. loose rip rap	2 00	4 00	3 00
Pipe furnished by State	3,647 34	3,647 34	3,647 34
Signs furnished and placed by State	315 00	315 00	315.00
10 per cent engineering and contingencies	10,480.61	10,608.18	10,785.58
Extended totals	$115,287	$116,900	$118,641

N. Y., Brooklyn—Apartments—Eastern Parkway Constr. Co., c/o Shampan & Shampan, archts. and engrs., 188 Montague St., will build two 4 story, 80 x 100 ft., brick, steel and stone, plain foundation, Eastern Parkway, by day labor. $200,000 each.

N. Y., Brooklyn—Apartment—A. Kaplan, c/o Cohn Bros., archts. and engrs., 361 Stone Ave., will build brick, steel and stone, plain foundation, Eastern Parkway, by day labor. $300,000.

N. Y., New York—Apartment—B. W. Axelrod, c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 50 x 100 ft., brick, steel and stone, plain foundation, 314 West 77th St., by day labor. $350,000.

N. Y., New York — Apartment — One Thousand Fifty-Eight 5th Ave., Inc., c/o M. B. Schmidt, archt. and engr., 14 East 46th St., will build brick, steel and stone, plain foundation, 5th Ave. and 97th St., by day labor. $2,000,000.

N. Y., New York — Apartment — F. S. Paterno, 200 West 72nd St., will build 14 story, 100 x 164 ft., brick, steel and stone, plain foundation, Madison Ave. and 89th St., by day labor. $1,500,000. J. Ajello, 200 West 72nd St., archt. and engr.

N. Y., New York—Apartment—M. Silverman, c/o G. F. Pelham archt. and engr., 200 West 72nd St., will build 15 story, brick, steel and stone, plain foundation, West 79th St., by day labor. $2,000,000. Noted Dec. 13.

N. J., Hightstown—Administration—Rich & Mathesius, archts., 800 5th Ave., New York City, 3 story and basement, 60 x 172 ft., rein.-con., brick and steel, plain foundation, here, to F. D. Priory, Amer. Mechanic Bldg., Trenton, for Peddie Institute. $325,000. Noted Dec. 13.

Pa., Cynwyd—Exchange—J. T. Windrim, archt., Commonwealth Bldg., Phila., 2 story and basement, 83 x 84 ft., rein.-con., brick and steel, plain foundation, Levering Mills Rd., to Monoghan & Losse, 3016 Chestnut St., for Bell Telephone Co., 17 and Parkway Sts., Phila.

Pa., Erie — Apartment — Sixth-Chestnut Co., c/o A. F. Ganowitz, archts., 811 Prospect Ave., Cleveland, O., 3 story and basement, 112 x 150 ft. brick, 6th St., to I. and B. Dolinsky Constr. Co., 2214 East 83rd St., Cleveland, O. Archts. est. $300,000. Noted Nov. 8.

Pa., Phila.—Sunday School and Church—H. W. Caster, archt., St. Girard Bldg., constructing Sunday school, and basement of church Oxford Ave. and Dyre St., to F. E. Wallace, Passyunk Ave. and Wharton St. $120,000.

Pa., Pittsburgh—Office—Fidelity Title & Trust Co., 343 4th St., converting old Academy Theatre into office building, Liberty Ave., to Cuthbert Bros., Bessemer Bldg. Archts. est. $150,000.

Md., Baltimore—School of Hygiene—Johns Hopkins Hospital, Wolfe and Monument Sts., 8 story, concrete and brick, plain foundation, Monument and Wolfe Sts., to M. A. Long Co., Guilford Ave. and Fayette St., $1,000,000. Noted Nov. 22.

W. Va., Maggie — Hospital — State Bd. Control, Charleston, general contract 2 story and basement, 45 x 201 ft., to Foreman & Putnam, Marietta, O. Est. cost $150,000.

W. Va., Morgantown—Chemistry—West Virginia University, c/o State Bd. Control, general contract 4 story and basement, 79 x 305 ft., rein.-con., brick and steel, plain foundation, to Foreman & Putnam, Marietta, O., $603,000; plumbing, heating and ventilating to J. McCrea, 529 Mosher St., Baltimore, Md., $31,541. Noted Nov. 15, 1923.

La., Shreveport—Hotel—B. S. Youree, Youree Hotel, 6 story and basement, 100 x 150 ft. concrete and brick addition. Market and Texas Sts., to Henger & Chambers, Slaughter Bldg., Dallas, Tex., $235,000.

Ky., Lexington—Church—Centenary Methodist Episcopal Church, 90 x 120 ft., Bway. and Church St., to A. Howard, Lexington. Est. cost $150,000.

Ky., Louisville—Temple—Union Labor Temple Co. Inc., 133 Main St., will build 5 story, 75 x 200 ft., Main St., by day labor. Structural steel contract to Riverside Bridge Co., Martins Ferry, O. Archts. total est. $350,000. Noted Dec. 27.

O., Barberton—High School—Bd. Educ. 4 story, brick addition, Wunderlich Ave., to M. E. Harpster, 68 Rose Ave., Akron, $240,000.

O., Cleveland—School—St. Catherines Roman Catholic Church, 3443 East 93rd St., 2 story and basement, brick, steel and concrete, East 93rd St. and Catherine Ave., to Schrader Constr. Co., Euclid-46th St. Market Bldg. Archts. est. $150,000. Noted Dec. 13.

O., Dayton—Bank and Office—Third Natl. Bank, 21 East 3rd St., 2 story (ultimately 14 story) rein.-con. and stone, plain foundation, Main St., to Industrial Building Co., 757 Reibold Bldg., $175,000. Noted Nov. 8.

O., Hartford—Grade and High School—Bd. Educ. 2 story and basement, 120 x 128 ft., brick, steel and concrete, to Katzman Constr. Co., Federal Bldg., Youngstown. Archts. est. $150,000.

O., Mansfield—City Hall—City Building Comn., 3 story and basement, 106 x 160 ft., rein.-con., brick and stone, to Boldt Constr. Co., 5902 Euclid Ave., Cleveland. $138,445. Noted Dec. 13.

O., Versailles—High School—Bd. Educ., 2 story and basement, 75 x 187 ft. with 34 x 84 ft. wing, brick and concrete, to Anderson & Hunnicutt, Union City, Ind., about $200,000.

Ind., Newport—Court House—Vermillion Co., new court house, to J. N. Goode & Co., Columbus, $265,000. Noted Nov. 29.

Ill., Chicago—Apartment—G. G. and E. O. Anders, 7401 Paxton Ave., 6 story, 146 x 147 ft., fireproof, 5472-86 Cornell St., to B. W. Constr. Co., 720 Cass St. Archts. est. $750,000.

Ill., Chicago—Apartment—G. L. Arquette, 7244 Paxton Ave., 3 story, 108 x 124 ft., fireproof, 7801-11 Kingston Ave., to Turnquist Bros. Constr. Co., 232 East 69th Pl. Archts. est. $150,000.

Ill., Chicago—Apartment—C. E. Wright, c/o E. G. McClellan, archt., 7441 Cottage Grove Ave., 3 story, 124 x 138 ft., fireproof, 7800-10 Kingston Ave., to Turnquist Bros. Constr. Co., 232 East 69th Pl. Archts. est. $150,000.

Ill., Evanston—Apartment—C. F. Stewart, two 3 story, 100 x 150 ft. fireproof, one at Reba Pl. and Sherman St., other at Reba Pl. and Elmwood St., here, to Barrett Constr. Co., 155 North Clark St., Chicago. Archts. est. $200,000 each.

Ill., Oak Park—Apartment—Owner, c/o M. L. Bein, archt., 64 West Randolph St., Chicago, 3 story, 80 x 170 ft., fireproof, Randolph and Maple Sts., here, to Thogerson & Erickson, 4804 North Kedzie Ave., Chicago. Archts. est. $150,000.

Wis., Milwaukee—Temple—Golden Links Realty Co., c/o E. Weinshel, 351 East Water St., 3 story, 50 x 140 ft., brick and concrete, plain foundation, 12th St.,

Buildings (Continued)

to R. Reisinger & Co., 464 Oakland Ave. Archts. est. $150,000.

Wis., Racine—Memorial Auditorium—Memorial Hall Comn., c/o W. Horlick, Jr., pres., superstructure, 1 and 2 story, 180 x 200 ft., brick and concrete, to Bondgard & Christensen, 1135 Mound Ave., $174,500. Noted Dec. 27.

Minn., Minneapolis—Store—L. S. Donaldson Co., 6th St. and Nicollet Ave., general contract for 1st unit of $1,750,000 project, 8 story and basement, 137 x 140 x 143 ft., with 445 ft. tower, steel, hollow tile and marble, 617-29 Nicollet Ave., to Pike & Cook, 416 South 5th St.

Minn., St. Paul—Office—St. Paul Builders Exchange, 609 Ryan Bldg., 13 story, 50 x 100 ft., rein.-con., to Lovering-Longbotham Co., 312 Endicott Bldg., $550,000.

Neb., Falls City—Court House—W. F. Gernandt, archt., 1408 North 34th St., Omaha, 4 story and basement, 66 x 99 ft., rein.-con., brick, steel and terra cotta, general contract to H. Ohleson & Sons Co., David City, $163,691, for Richardson Co. Noted Nov. 22.

Mo., St. Louis—College—Washington University, Skinker Rd. and Lindell Blvd., general contract 3 story and basement, 54 x 188 ft., rein.-con., granite and stone, Campus, to Gamble Constr. Co., 612 Chestnut St. Est. cost $250,000.

Tex., Ft. Worth—Theater—Slay, Simon & Smith, W. T. Waggoner Bldg., 3 story and basement, 95 x 135 ft., brick, concrete and steel, 10th and Commerce Sts., to H. B. Friedman, 1st Natl. Bank Bldg., $150,000.

Okla., Norman — Bank — Security Natl. Bank, 2 story and basement, 50 x 140 ft., brick and steel, plain foundation, Main St., to F. A. Gross Co., 637 West Main St., Oklahoma City, $152,500.

Okla., Oklahoma City — Business — Kerr Dry Goods Co., 226 West Main St., 8 story and basement, 40 x 80 ft., rein.-con., brick and stone, to Campbell & Price, 605½ West Main St. Archts. est. $750,000.

Calif., Long Beach—Apartment—L. V. Mayell, 107 East Ocean Ave., 13 story and basement, rein.-con., Ocean Ave. near Lime St., to A. T. Hesse, Hollingsworth Bldg., Los Angeles, $1,000,00.

Calif., Los Angeles — Church — Fourth Church of Christ Scientist, brick church, Pasadena Ave., to Milwaukee Building Co., Wright-Callendar Bldg., Los Angeles, $155,000.

Calif., Los Angeles—Hospital—A. Larsen, Consolidated Realty Bldg., 3 story and basement, rein.-con., Lake St., to H. T. Johnson Co., Bradbury Bldg., Los Angeles, $175,000.

Calif., Los Gatos—High School—Los Gatos High School Dist., general contract 2 story and basement, rein.-con., to Herndon & Finnegan, 1814 17th St., Sacramento, $148,670. Total cost $200,000. Noted Jan. 3.

Calif., San Francisco—Apartment—Reilly & Collins, c/o E. E. Young, archt., 2002 California St., 6 story and basement, rein.-con., Eddy St. near Hyde St., to M. A. Little, 535 Geary St., San Francisco, $155,000.

Ont., Gananoque—Hotel—Royal St. Lawrence Hotel, 3 story and basement, 200 room, rein.-con., brick and steel, plain foundation, general contract to Mitchell & Wilson, Gananoque. Archts. est. $200,000.

Ont., London—School—School Bd. general contract Empress Ave. School, to J. Putherbough, 396 Talbot St., $180,000. Noted Jan. 3.

Ont., Oshawa—High School—Bd. Educ., 2 story and basement, 20 room, rein.-con., brick and steel addition, plain foundation, to Gay Bros., Oshawa, $194,450.

Ont., Toronto — Clubhouse — Parkdale Canoe Club, 7 Lakurnam Ave., 2 story and basement, 80 x 100 ft., with two wings, 60 x 100 ft., wood and stucco, plain foundation, Sunnyside Ave., to G. L. Robinson, 107 Armstrong Ave. Archts. est. $200,000.

Federal Government Work

PROPOSED WORK

W. Va., Huntington—Maneuver Boat, etc.—U. S. Engineer, rejected bids steel hull maneuver boat, etc., for Dam 32, Ohio River. Noted Nov. 15.

Ala., Florence — Turbines — U. S. Engineer, Florence, takes bids about Feb. 1, four 35,000 hp. turbines for Wilson Dam.

Ky., Addison—Cement—U. S. Engineer, P. O. Box 72, Louisville, plans purchasing 15,000 bbl. portland cement for Dam 45, Ohio River, here.

Ky., Green River — Gates — U. S. Engineer, P. O. Box 72, Louisville, plans replacing upper and lower wooden gates at Lock 5, here, with steel gates.

Ky., Pilcher—Lumber—U. S. Engineer, P. O. Box 72, Louisville, plans to purchase approximately 55,000 ft. select white oak f.o.b. here, for Dam 44, Ohio River, here.

Ind., Jeffersonville—Reservoir—Quartermaster Intermediate Depot plans $350,000 gal. concrete reservoir, 80 x 80 ft.

BIDS DESIRED

Mass., Haverhill—Extension—Jan. 31, by Treas. Dept., Wash., D. C., constructing incl. mechanical equipment, 1 story and basement, 25 x 45 ft. concrete and brick extension, to U. S. Post Office, here. J. A. Wetmore, acting supervy. archt.

N. Y., New York—Dredging—Jan. 14, at office U. S. Engineer, Army Bldg., Whitehall St., dredging about 76,000 cu.yd. material in Flushing Creek, 1st Dist.

Del., Wilmington—Dike—Jan. 14, at office U. S. Engineer, Wilmington, 5,200 lin.ft. earth dike, 1 mi. below Delaware City.

Del., Wilmington—Steel House—Feb. 1, at office U. S. Engineer, War Dept., steel house on quarterboat.

Ga., Augusta—Hospital—Spec. 4922—Feb. 4, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., following work at U. S. Veterans Hospital, here, (1) new buildings (2) plumbing incl. fixtures, outside sewerage, drainage and water supply systems (3) complete heating and steam distributions (4) lighting systems incl. outside electric distributing and street lighting systems (5) remodeling building incl. plumbing, lighting and heating. F. T. Hines, dir. Noted Oct. 18; adv. E. N.-R. Jan. 10.

Tenn., Memphis—Sub-Post Office—Feb. 11, by Treas. Dept., Wash., D. C., constructing Sub-Post Office, here. J. A. Wetmore, acting supervy. archt.; adv. E. N.-R. Jan. 10. Noted Sept. 20.

Ky., Camp Knox—Paving—Constructing Quartermaster, Camp Knox, receiving bids and opens same about Jan. 15 resurfacing with concrete section Dixie Highway passing through camp.

Ky., Louisville—Steel Piling—Feb. 5 at office U. S. Engineer, P. O. Box 72, 350 tons steel sheet piling f.o.b. Addison, and 1,200 tons f.o.b. Owensboro.

Ky., Owensboro—Forgings, Castings, etc.—U. S. Engineer, P. O. Box 72, Louisville, receiving bids and opens same about Feb. 11, 10 tons rolled steel forgings, 1,700 lb. phosphor bronze and 28 tons reinforcing bars, for Dam 46, Ohio River, here. Noted Dec. 10.

Ky., Owensboro—Steel and Bolts—Feb. 8 at office U. S. Engineer, P. O. Box 72, Louisville, 123 tons structural steel and bolts, etc., for lock valves at Dam 46, Ohio River, here Noted Dec. 13.

Ind., Leavenworth—Lumber—Jan. 14 at office U. S. Engineer, P. O. Box 72, Louisville, Ky., furnishing 53,000 ft. white oak for bear trap at Dam 44, Ohio River.

Ore., Portland—Barges—Jan. 24, at office U. S. Engineer, War Dept., constructing four 8 x 34 x 100 ft. wooden stone barges.

Alaska, Ketchikan—Gasoline Hoist, etc.—Feb. 12 by Superintendent Lighthouses, one 30 hp. gasoline hoist, 2 drum, with derrick swinging gear, and 1 stiff leg derrick for light station.

Porto Rico, San Juan—Quarters—Spec. 4909—Jan. 16, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing double quarters and auxiliary buildings, at Naval Radio Station, here. Noted Dec. 20.

BIDS RECEIVED

Vt., St. Johnsbury—Post Office—Treas. Dept., Wash., D. C., 1 story, 61 x 69 ft., brick and tile, here, from J. Mills & Son Co., Worcester, Mass., $71,387. Noted Dec. 6.

N. Y., Poughkeepsie—Extension—Treas. Dept., Wash., D. C., construction, incl. mechanical equipment, extension to U. S. Post Office, here, from G. A. Burley Co., Flint Mich., $59,380, alternate $2,400. Noted Dec. 6.

N. J., Lakehurst—Material, Piping, etc.—Interior Dept., Wash., D. C., furnishing labor, material, piping, concrete and electrical work for installation in and around generator building, U. S. Naval Air Station, here, from L. S. Sauers, Lakehurst, $8,465 (35 days). Noted Dec. 20.

Tenn., Memphis—Towboat—U. S. Engineer, 1st and 2nd Mississippi River Dists., 1006 McCall Bldg., stern-wheel steel towboat, from Howard Shipyards & Dock Co., Jeffersonville, Ind., $119,445. (181 days). Noted Nov. 22.

Ky., Addison—Lock Gates—U. S. Engineer, P. O. Box 72, Louisville, furnishing and erecting 2 mitering lock gates for Dam 45, Ohio River, here, from Penn Bridge Co., Beaver Falls, Pa., $62,468. Noted Dec. 6.

Ky., Louisville—Metal Work—U. S. Engineer, P. O. Box 72, metal work for Dams 44 and 45, Ohio River, from Amer. Car and Fdry. Co., Jeffersonville, Ind., $76,300. Noted Dec. 6.

Mo., Liberty—Post Office—Treas. Dept., Wash., D. C., construction complete incl. mechanical equipment, U. S. Post Office, here, from W. McDonald Constr. Co., Odd Fellows Bldg., St. Louis, $43,765. Noted Dec. 6.

Tex., Paris—Post Office, etc.—Treas Dept., Wash., D. C., 1 story and basement, 88 x 109 ft., brick and stone Post Office and Court House, here, from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $143,990. Noted Dec. 6.

Wash., Keyport—Extension—Spec. 4926—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to operating building, here, from J. G. Wethers, 720 33rd Ave., Seattle, $5,379. Noted Dec. 20.

CONTRACTS AWARDED

Md., Annapolis—Shore Protection—Spec. 4917—Bureau Yards & Docks, Navy Dept., Wash., D. C., shore protection for high power radio station at Naval Academy, here, to A. Pope, 4722 15th St., N. W., Wash., D. C., $5,300 (120 days). Noted Nov. 22.

D. C., Wash.—Recreation Building, etc.—U. S. Veterans Bureau, Arlington Bldg., recreation building, alteration and addition to garage for attendants quarters at U. S. Veterans Hospital 32, Mt. Alto, here, to Skinker & Garrett, 1416 F St., N. W., $81,000. Noted Oct. 11.

Ga., Savannah—Dredge Pump—U. S. Engineer, one 20 in. dredging pump for dredge, to Ellicott Machine Corp., Bush and Severn Sts., Baltimore, Md., $6,190.

Ky., Louisville—Operating Machinery—U. S. Engineer, P. O. Box 72, operating machinery for Dams 44 and 45, Ohio River, to H. P. Gazzam Machine Co., 3200 Penn Ave., Pittsburgh, Pa., Lot A, $29,950; to J. and J. B. Milholland Co., 714 5th Ave., Pittsburgh, Pa., Lot B, $13,045. Noted Jan. 3.

Calif., Livermore—Hospital— U. S. Veterans Bureau Arlington Bldg., Wash., D. C., construction complete of infirmary, administration, mess and kitchen building, recreation building, nurses quarters, attendants quarters, garage storehouse, etc., mechanical equipment and outside service lines except grading and walks, at U. S. Veterans Hospital, here, to H. S. Williams, 180 Jessie St., San Francisco, $757,740 (440 days). Noted Dec. 13.

Unclassified

PROPOSED WORK

Transmission Line—New York—Fulton Co. Gas & Electric Co., Cobleskill, plans 20 mi. distribution lines from Cobleskill to Esperance and Schoharie.

Generating Unit — Cohoes, N. Y. — See "Industrial Works."

Yard, etc.—Horseheads, N. Y.—Consolidated Brick Co., Westlake St., plans reconstructing brick yard, machine shop and driers. $200,000. Address G. Prindible, Patton, Pa.

Pavilions—New York, N. Y.—Bellevue & Allied Hospital, 415 East 26th St., rejected bids Dec. 20, pavilions F and G incl. heating and ventilating apparatus, of new Bellevue Hospital. Will readvertise soon. Noted Dec. 27.

Elimination of Grade Crossing—Rochester, N. Y.—City, State, and New York Central R.R. Co., Grand Central Terminal, New York City, plan elimination of Winton Rd. crossing of main line and Auburn branch tracks by elevating tracks 2 ft. and depressing Winton Rd. under railroad about 66 ft., etc. $460,000. Railroad will pay ½ cost, city and state ½. G. W. Kittredge, ch. engr. railroad. Noted July 26.

Stadium—Ashland, Ky.—Ashland High School plans concrete stadium, 6,000 seating capacity. $40,000.

Golf Course—Henderson, Ky.—Henderson Country Club plans 18 hole golf course on 47 acre tract. $25,000.

Grain Elevator, etc.—Greenville, O.—Soyco Milling Co. plans elevator and dryer to replace one recently destroyed by fire. $150,000. Will mature in spring.

Stadium—Wooster, O.—Wooster College plans stadium and athletic field, 5,000 seating capacity. $50,000.

Loading Dock—Pontiac, Mich.—Oakland Motor Car Co., plans rein.-con. and steel loading dock, 18 x 468 ft., at Howard St. $30,000. Private plans.

Recreation Field—Evansville, Ind.—City plans development of West Side Recreation field, incl. shelter houses, golf course, swimming pool, also rest stations in various parts of city. W. Elmendorf, mayor.

River and Rail Terminal—Evansville, Ind.—City plans river and rail terminal along Ohio River. W. Elmendorf, mayor.

Electric Distributing Lines, etc.—Leon, Kan. — Voted $32,000 bonds for electric distributing lines, street lights, etc., incl. line from here to Augusta. Private plans.

Lighting System — St. Louis, Mo. — Bd. Pub. Utilities plans street lighting system. $8,000,000 bonds voted. W. W. Horner, city engr.

Unclassified (Continued)

Pipe Line—Texas—Brownwood Gas Co., Brownwood, making plans 15 mi. of 12 in. gas pipe line from Brownwood to Bangs, $50,000.

Electric Traffic System—Dallas, Tex.—City making plans electric traffic system for residence streets. $25,000. E. A. Kingsley, city engr.

Street Lights—Ft. Worth Tex.—Having plans prepared street lights in Rosen Heights $30,000, in Arlington Heights $30,000, miscellaneous street lights $25,000. D. L. Lewis, city engr.

Electric Control Traffic System—Houston, Tex.—Plans extending system to three new streets. $25,000. J. C. McVea, city engr.

Gas Mains—San Antonio, Tex.—San Antonio Pub. Serv. Co., 201 North St. Marys St., making plans replacing present small mains with larger mains will also extend same to suburban districts. $104,000. W. B. Tuttle, vice-pres.

Gas Distribution System—Stephensville, Tex.—Southwestern Gas & Electric Co. had plans prepared for natural gas distribution system. $50,000.

Stadium — Waco, Tex. — Voted $60,000 bonds for athletic stadium. V. G. Koch, city engr. Noted Nov. 8.

Gas and Electric System—San Diego, Calif.—San Diego Consolidated Gas & Electric Co., Electric Bldg., plans to expend $2,500,000 for extensions, repairs, alterations and improvements to system.

Lighting System—San Diego, Calif.—Had plans prepared ornamental lighting system, marblelyte standards, 120 standards for all night lighting, 48 standards for midnight, underground conduits. $42,000. F. A. Rhodes, City Hall, engr.

Asphalt Plant — Montreal, Que. — City plans asphalt plant. $80,000. H. A. Teatreault, dir. pub. wks.

Harbor Improvements—Chantry Harbor, Ont.—Dept. Pub. Wks., Parliament Bldg., Ottawa, having plans prepared improving harbor, largely dredge work, with repairs to piers. $50,000. K. M. Cameron, ch. engr.

Subways—Kitchener, Ont.—City Council plans 5 subways next year at King, Lancaster, Park, Ahrens and Edward Sts., concrete abutments, steel girders, etc. $475,000. S. Shupe, city engr.

Harbor Improvements—Meaford, Ont.—Dept. Pub. Wks., Parliament Bldg., Ottawa, plans improving Meaford Harbor, dredging, repairing wharf, etc. $50,000. K. M. Cameron, ch. engr.

Electric Light System—Mildmay, Ont.—Mildmay Electric Co. plans to improve electric lighting system. $25,000. Prices wanted on transformers.

Power Development— Morrisburg, Ont.—Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, plans to develop 15,000 hp. here on St. Lawrence River, incl. concrete dam, canal through rock, power house, etc. $2,000,000. F. A. Gaby, ch. engr.

Dock and Wharf—Oshawa, Ont.—Dept. Pub. Wks., Parliament Bldg., Ottawa, having surveys made dock and wharf, concrete on wood piles, in harbor, here. $150,000. K. M. Cameron, ch. engr.

Harbor Improvements—Saugeen, Ont.—Dept. Pub. Wks., Parliament Bldgs., Ottawa, having plans prepared improving harbor, dredging, deepening, extending and repairing wharves and piers in Saugeen Harbor. $120,000. K. M. Cameron, ch. engr.

Hydro-Electric System—Toronto, Ont.—Toronto Electric Comrs., 225 Yonge St., plan to expend $1,940,000 for extensions and improvements in 1924.

Subways—Toronto, Ont.—Plans 10 or 12 concrete and steel subways in west end of city, under Canadian Natl. Ry. and Canadian Pacific Ry. $700,000. Cost to be divided between City and Railroads.

Grain Elevator—Edmonton, Alta.—Dept. Trade & Commerce, Parliament Bldgs., Ottawa, Ont., plans rein.-con. grain elevator on pile foundation. $500,000. C. D. Howe & Co., Whalen Bldg., Port Arthur, Ont., engrs.

BIDS DESIRED

Conduit—New York—Jan. 22, by Bd. Water Supply, Municipal Bldg., New York City, Clove conduit a portion of city conduits of Catskill aqueduct extending from Bay St. and Vanderbilt Ave., Clifton, S. I., to Silver Lake reservoir, Richmond Boro. Contr. 199. G. J. Gillespie, pres.; adv. E. N.-R. Jan. 10.

Roadway Columns—New York, N. Y.—Jan. 18, by Transit Comn., 49 Lafayette St., removing roadway columns and reconstructing structure of Manhattan-Bronx Rapid Transit R.R. at East 177th St. (Tremont Ave.) and Boston Rd., Bronx Boro, Agreement "CV." G. McAneny, chn.

Levee—Clarksdale, Miss.—Jan. 15, by Bd. Levee Comrs. for Yazoo-Mississippi Delta, 5 mi. enlargement work on Old Ward Lake Levee, containing approximately 85,000 cu. yd. Noted Nov. 8.

Structural Steel—Louisville, Ky.—See "Buildings."

Subway — Tulsa, Okla. — Feb. 15, by County clerk, subway 40 f.t wide, two 20 ft. driveways separated by pillars, 6,000 cu.yd. excav., 450 cu.yd. concrete, 15th St. and Broken Arrow Rd., for city, Tulsa Co. and Missouri, Kansas & Texas R.R. Co. $81,000. Railroad company will appropriate $47,000, also furnish steel girders, city and county will appropriate balance.

BIDS RECEIVED

Lighting System—Los Angeles, Calif.—City, ornamental lighting system, from C. W. Sparks, 457 South Lake St., $41,632.

Pier Shed Extensions—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., pier shed extensions, Islais Creek Terminal, from Grant & Hart, 371 42nd Ave., San Francisco, $45,623.

CONTRACTS AWARDED

Heating and Ventilating Apparatus — Brooklyn, N. Y.—Bd. Educ., 500 Park Ave., New York, heating and ventilating apparatus in P. S. 142, Rapelyea St., here, to D. J. Rice, 405 Lexington Ave., New York, $46,970; P. S. 99, East 9th St., here, to Gillis & Geohegan, 537 West Bway., New York, $54,229; in P. S. 205, 20th Ave. and 67th St., here, to E. Rutzler & Co., 404 East 49th St., New York, $111,288. Noted Dec. 27 and Jan. 3.

Heating and Ventilating Apparatus — New York, N. Y.—Bd. Educ., 500 Park Ave., heating and ventilating apparatus in P. S. 60, 12th St. and Ave. A, to Raisler Heating Co., 129 Amsterdam Ave., $98,765. Noted Dec. 27.

Structural Steel—Louisville, Ky.—See "Buildings."

Steel Rolling Doors—New Orleans, La.—Bd. Port Comrs., 200 New Court Bldg., furnishing and erecting steel rolling doors for new warehouse, to Kinnear Mfg. Co., Hibernia Bank Bldg., $47,500; 2 hoisting engines for coal tipple, to Mead-Morrison Mfg. Co., $10,500. Noted Jan. 3.

Steel Superstructure—New Orleans, La.—Bd. Port Comrs., 200 New Court Bldg., steel superstructure for Claiborne St. shed, to Lukens Steel Co., 626 South Peters St., $150,000.

Heating and Ventilating Apparatus, etc. —Cincinnati, O.—Bd. Educ., 511 West Court St., heating, ventilating and air washers in 25th Dist. School, Tremont St., to Peck, Hannaford & Peck Co., Court and Sycamore Sts., $23,297. Engrs. est. $25,000. Noted Nov. 29.

Foundations—Rapid City, S. D.—State Cement Comn., concrete foundation for 50 x 72 ft. coal mill building, and 30 x 72 ft. crusher building, also structural steel for conveyor gallery 350 ft. long, to Carlson & Snitkey, Dakota Ave., Sioux Falls. Noted Dec. 6.

Transmission Line Towers—Ontario—Hollinger Consolidated Gold Mines, Ltd., Timmins supply and fabrication of transmission line towers for 80 mi. 110,000 volt line from here to Island Portage, 600-800 tons steel, to Canadian Bridge Co., Walkerville.

Breakwater — Thessalon, Ont. — Dept. Pub. Wks., Parliament Bldgs., Ottawa, wood breakwater extension, to V. T. Bartram, Bank of Toronto Bldg., Toronto, $38,321.

Materials and Equipment

PROPOSED WORK

Road Machinery—Wisconsin—Following are county appropriations for road machinery during 1924. Vilas Co. $12,000, W. F. Hunter, Eagle River, comr.; Oneida Co. $2,000, incl. patrol graders, B. L. Horr, Rhinelander, comr.; La Crosse Co. $20,000, J. Hintgen, La Crosse, comr.; Forest Co. $3,000, B. McGinley, Grandon, comr.

Street Sweeper—Kansas City, Kan.—City plans to purchase motor pick up street sweeper. G. T. Darby, purch. agt.

Street Sweeper—Fullerton, Calif.—City plans to purchase street sweeper, power driven. F. C. Hezmelhatch, clk.

BIDS DESIRED

Tractor—Kinderhook, N. Y.—Town Bd. in market for one 10 ton caterpillar type tractor and 1 scraper suitable for snow removal.

Broken Stone, etc.—Long Island City, N. Y.—Jan. 14, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 21,000 cu.yd. broken stone and screenings, 5,000 cu.yd. sand grit, 11,000 cu.yd. sand, 14,000 tons steam boiler ashes, 75,000 asphalt paving blocks, 50,000 wood paving blocks, 25,000 vitr. paving blocks, and 864 ft. iron pipe.

Road Surfacing Material, etc.—New York, N. Y.—Jan. 14, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., 75,000 cu.yd. bituminous road surfacing material, 600,000 gal. asphalt road oil, 50 tons pitch joint filler, 3,000 cu.yd. clean boiler ashes, 500 cu.yd. sand, 5,000 cu.yd. 1½ in. broken stone, 2,000 bags Portland cement, 500 cu. yd. paving gravel, 1,200 tons asphalt cement, 300,000 gal. tar road oil, 7,500 cu. yd. asphalt wearing surfacing sand, 7,500 cu.yd. sand grit, 500 tons limestone dust, 10,000 cu.yd. asphalt wearing surface sand, spruce lumber, cypress, whitwood, whit pine, plain sawn, white oak, chestnut posts, etc., long leaf yellow pine lumber, two 15 ton macadam steam rollers, two 5 ton gasoline motor driven trucks.

Bituminous Patching Material—Trenton, N. J.—Jan. 22, by Bd. Freeholders Mercer Co., tar cold patch known as Grade "K-O" or "T.-C." also asphalt cold patch, Grade "H-K." H. F. Harris, Court House, engr.; adv. E. N.-R. Jan. 10.

Roller, etc. — Waukesha, Wis. — A. P. Kuranz, city engr. taking bids 10 ton roller with scarifier, also garbage trucks or wagons.

Crusher, Elevator, etc.—Oglesby, Ga.—Feb. 1, by State Hy. Dept., 2 crushers, 1 elevator, etc., to be used at state quarry, here. W. R. Neel, state highway engr.; adv. E. N.-R. Jan. 10.

Blade Grader—Galesburg, Ill.—Knox Co. receiving bids 10 or 12 ft. blade grader with scarifier, backsloper and engine hitch. $2,000.

Portland Cement—Springfield, Ill.—Jan. 14 by Dept. Pub. Wks. and Buildings, Div. Highways, 4,000,000 bbl. cement. C. Older, ch. highway engr. Noted Dec. 13.

Mining Equipment—Duluth, Minn.—Jan. 25, by R. E. Mace, purch. agt. Oliver Iron Mining Co., Wolvin Bldg., for one 50-ton revolving steam shovel for cleanup work for Virginia Dist., one for Eveleth and 2 for Hibbing Dists.; one 30-40 ton locomotive crane for Hibbing and one for Virginia Dists.; 4 caterpillar mountings for steam shovels for Virginia, 10 for Hibbing, 4 for Chisholm, 6 for Canisteo and 3 for Eveleth Dists.; 1 spreader plow for Virginia Dist.; 3 churn drills electrically operated; fifteen 30-yard steel stripping cars for Hibbing Dist. and 10 for Canisteo Dist.; 3 tie tampers for Hibbing Dist.; 2 steel flat cars of 100,000 ton capacity for Virginia, 4 for Hibbing and 1 for Chisholm Dists. $770,000.

Steam Shovel — Ft. Scott, Kan. — G. Julian, 6th and Heylman Sts., in market for 1½ or 2½ steam shovel for coal stripping.

Steam Roller—Kansas City, Mo.—Jan. 15, by city, 3 ton steam roller for Street Dept. G. T. Darby, purch. agt.

Breakers, Rolls, etc.—Nevada, Mo.—Natl. Asphalt Co., in market for breakers, rolls, hammer machines, crushers, etc. $75,000. P. C. Hansen, mgr. T. Douglas, 212 Bartlett Bldg., Joplin, engr.

Castings, etc.—St. Louis, Mo.—Jan. 17, by G. E. Scott, purch. agt. Missouri-Kansas-Texas R.R. Co., 1520 Ry. Exch. Bldg., 150 tons miscellaneous cast-steel castings for locomotives and cars excluding couplers, bolsters and side frames; 87 tons locomotive and car bolsters and side frames, furnished as required during 1st quarter of 1924.

Steam Shovel—Little Rock, Ark.—Ball-Benton Gravel Co., 821 Southern Trust Bldg., taking bids style B Erie steam shovel, long boom with ¾ yd. dipper, must be ready for use.

Trucks, etc.—Houston, Tex.—Jan. 14, by Harris Co., 2 light trucks, one grader, and 1 road maintainer. Howe & Wise, co. engrs.

BIDS RECEIVED

Cement—Wisconsin—State Hy. Comn., Madison, cement for 1924, Federal Aid also State Aid and bond issue construction, from Universal Portland Cement Co., 210 South La Salle St., Chicago, prices range from $2.49 to $2.76 according to destination.

Granite Curbstone—Montreal, Que.—Furnishing 75,000 ft. straight curbstone and 1,000 ft. circular curbstone, from Brodies Ltd., 128 Bleury St., $0.80 and $1 per ft. respectively.

CONTRACTS AWARDED

Stone, etc. — Hartford, Conn. — Street Dept., Municipal Bldg., 30,000 tons crushed stone and 10,000 tons dust, to E. Balf & Co., 14 Haynes St., 80,360. Noted Jan. 3.

Cement—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, 3,000 bbl. Portland cement, to E. E. Buhler, 103 Park Ave., New York, $7,470. Noted Dec. 20.

Snow Loader — Trenton, N. J. — City Comn., snow loader to Barber-Greene Co., West Park Ave., Aurora, Ill., $5,550. Noted Jan. 3.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate: 40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Jan. 17.

Excavation and Rock Protection

STATE OF NEW YORK
DEPARTMENT OF PUBLIC WORKS
BUREAU OF CANALS

Albany, N. Y.,
December 13, 1923.

Sealed proposals will be received by the undersigned at his office in Albany, N. Y., until twelve o'clock noon of Thursday, January 17th, 1924, at which place and hour they will be publicly opened and read, for improving the New York State canals pursuant to the provisions of Chapter 147 of the Laws of 1903, and of the acts amendatory thereof and supplementary thereto, and Chapter 570 of the Laws of 1915, as follows:

CONTRACT NO. 214.

Erie Canal—Section 9.

For completing the excavation of the canal channel in the Genesee river at Rochester and placing rock spoil protection along the river banks.

Sheets 1 to 3, inclusive.

Plans may be seen, and detailed specifications, engineers' estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Bureau of Canals, Albany, N. Y.; at the office of the Division Engineer, Department of Public Works, at Utica, Syracuse, Rochester and Buffalo; and at the Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate of fifteen cents (15c.) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accomplished by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank, in good credit within the State and payable at sight to the Commissioner of Canals and Waterways for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time in which case the amount of the deposit will be refunded by the Commissioner of Canals and Waterways.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Commissioner of Canals and Waterways, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work, according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Bureau of Canals, State Department of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Commissioner of Canals and Waterways of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the State will be enhanced thereby.

ROYAL K. FULLER.
Commissioner of Canals
and Waterways.

Bids: Jan. 16.

(READVERTISEMENT)

Delaware River Bridge

CONTRACTS NOS. 9A, 9B, 9D, 10A & 10B
DEMOLITION

Philadelphia, Pa.

Sealed proposals for the demolition and removal of the buildings on the site of the Philadelphia approach between Front Street and Third Street, and between Fourth Street and Sixth Street, and the buildings on the site of the Camden Approach between Delaware Avenue and Fourth Street, will be received by the Delaware River Bridge Joint Commission at Room 806, Widener Building, Philadelphia, Pa., until 2:30 o'clock p.m., January 16, 1924, when they will be publicly opened and read. The contracts will be awarded, or all bids rejected, within fourteen days after bids are opened. The right is reserved to reject any or all bids.

Separate bids are asked for each of three sections of the Philadelphia Approach, and each of two sections of the Camden Approach. The work includes the demolition and removal of structures and certain other work incidental thereto. The work under Contracts 9A, 9B, 10A and 10B, is to be completed in three months, and that under 9D in six months.

Bids must be made upon the blank proposal forms, which together with specifications, bond and contract form, and contract drawings, may be obtained at the office of the Joint Commission, upon deposit of $10.00, which deposit will be refunded upon receipt of bid or upon the return in good condition of the copies so taken.

Each proposal must be accompanied by a certified check for Three Thousand Dollars, drawn upon a national or state bank or trust company having an office either in Philadelphia or Camden, and payable to the Delaware River Bridge Joint Commission, and surety's consent must be shown. The bidder or bidders to whom the contract for each section is awarded will be required to give bond in the sum of fifty per cent of the amount of such contract, but not less than $25,000.

Delaware River Bridge Joint Commission.
GIFFORD PINCHOT,
Chairman.
JOSEPH K. COSTELLO,
Secretary.

OFFICIAL PROPOSALS

Bids: Jan. 22.

Conduit

CONTRACT 199

Staten Island, N. Y.

SEALED BIDS will be received by the Board of Water Supply, at its offices, twenty-second floor, Municipal Building, Park Row, Centre and Chambers Streets, New York City, until 11 a.m., Eastern Standard time, on Tuesday, January 22, 1924, for Contract 199, for the construction of the Clove conduit, a portion of the City conduits of the Catskill aqueduct, extending from Bay Street and Vanderbilt Avenue, Clifton, Staten Island, along Vanderbilt Avenue, Targee Street, Clove Avenue, Clove Road and land of the City of New York to the Silver Lake reservoir, in the Borough of Richmond, New York City.

The conduit will consist of about 16,600 linear feet of 66-inch steel pipe, about 90 tons of cast-iron pipe and special castings of various sizes, and other appurtenances, all of which will have to be maintained for one year.

At the above place and time the bids will be publicly opened and read. Pamphlets containing information for bidders, forms of bid and contract, specifications, contract drawings, etc., can be obtained at the office of the Secretary at the above address, by depositing the sum of ten dollars ($10) in cash or its equivalent for each pamphlet. For further particulars apply to the office of the Chief Engineer at the above address.

GEORGE J. GILLESPIE,
President,
JAMES P. SINNOTT,
PHILIP F. DONOHUE,
Commissioners, Board of Water Supply.
BENJ. F. EINBIGLER, Secretary.

Bids: Jan. 30.

42 in.—48 in. and 60 in. Intercepting Sewers, Sewage Pumps, and Sewage Disposal Plant Improvements

Fostoria, Ohio.
December 24th, 1923.

Sealed proposals for the construction of 42" 48" and 60" Intercepting Sewers and Pumping Machinery, Superstructures, Grit Chamber, Sludge Beds, and other improvements to the Sewage Disposal Plant, will be received by the City of Fostoria, Ohio, until 2 o'clock p.m., Eastern Standard Time, on the 30th day of January, 1924, and will then be publicly opened and read.

Official Proposal Blanks, Instructions to Bidders, Specifications, Form of Contract and Bond may be seen at the office of the Director of Public Service, Fostoria, Ohio, or one (1) copy of plans and specifications may be obtained by bona fide bidders upon application to The J. N. Chester Engineers, Union Bank Building, Pittsburgh, Pa., or to the City of Fostoria, Ohio, and deposit of Twenty-five Dollars ($25.00), which amount will be refunded to bidders on receipt of a bona fide bid, or upon the return within thirty (30) days after receipt of bids, of both plans and specifications, in good order.

The right is reserved to reject any or all bids.

JAMES MANECKS,
Director of Public Service.
THE J. N. CHESTER ENGINEERS,
Union Bank Building,
Pittsburgh, Pa.